APTD-69-19

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1968 DATA TABULATIONS AND SUMMARIES

ST. LOUIS

Continuous Air Monitoring Projects

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U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
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Sulfur dioxide
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Aerosols
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Arithmetic mean
Seasonal variations
Diurnal variations
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NATIONAL AIR SURVEILLANCE NETWORKS
ST. LOUIS

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
Public Health Service
Consumer Protection and Environmental Health Service
National Air Pollution Control Administration
Division of Air Quality and Emission Data
Raleigh, North Carolina
December, 1969

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PREFACE

One of the Continuous Air Monitoring Projects of the National Air Surveillance Networks is to routinely operate continuous monitoring stations in six major cities. The data tabulations in this report consist of hourly average concentrations of six gaseous pollutants (carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants), and 2-hour measurements of soiling index levels in Chicago during 1968. A brief summary of monthly means and maximums and graphs of seasonal diurnal patterns of gaseous pollutants at the Chicago station are included. Annual frequency distributions of the data pertaining to gases and soiling index are presented for all six CAMP stations.

Summaries of 1968 data for Chicago, Cincinnati, Denver, Philadelphia, and Washington, D. C. are available from the National Air Pollution Control Administration. Similar data summaries have been published, along with various analyses and interpretative material, for previous years' operations.

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SECTION 1
SUMMARY OF MONTHLY MEANS AND MAXIMUMS AND FREQUENCY DISTRIBUTIONS OF POLLUTANT CONCENTRATIONS

TABLE 1-1 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR CARBON MONOXIDE

ST LOUIS 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	31	5.5	8.	17	26.	18	16	44.	19	1705
FEB.	29	4.3	8.	16	17.	14	16	31.	14	1640
MARCH	30	3.8	7.	15	21.	18	16	43.	11	1230
APRIL	24	3.8	5.	2	14.	2	7	33.	2	750
MAY	31	4.1	6.	23	13.	8	15	28.	10	1600
JUNE	30	4.1	6.	10	17.	6	6	36.	6	615
JULY	16	A	6.	11	14.	12	6	33.	12	650
AUG.	25	4.7	7.	5	16.	8	16	29.	16	1615
SEPT.	29	5.6	9.	27	19.	3	6	37.	19	1615
OCT.	31	5.0	7.	31	19.	31	17	47.	31	1710
NOV.	29	5.2	9.	5	19.	25	16	39.	25	1640
DEC.	31	5.0	9.	16	20.	16	17	41.	10	1705
YEAR	336	4.6	9.		26.			47.		

TABLE 1-2 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR NITRIC OXIDE

ST LOUIS 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	27	0.049	0.09	11	0.22	9	17	0.23	5	1715
FEB.	28	0.031	0.10	19	0.26	6	9	0.27	6	930
MARCH	29	0.027	0.07	15	0.27	18	17	0.30	18	1715
APRIL	23	0.019	0.04	2	0.11	3	17	0.17	10	2255
MAY	28	0.027	0.05	22	0.18	23	8	0.19	22	700
JUNE	27	0.017	0.04	14	0.20	3	6	0.23	3	635
JULY	20	0.025	0.06	4	0.21	15	16	0.28	15	1625
AUG.	11	A	0.07	2	0.26	2	6	0.28	2	645
SEPT.	24	0.038	0.10	27	0.31	27	7	0.41	30	715
OCT.	27	0.034	0.10	19*	0.35	19*	23	0.38	19*	2325
NOV.	20	0.042	0.12	5	0.41	22	8	0.44	22	825
DEC.	28	0.038	0.13	16	0.31	6	8	0.39	4	1700
YEAR	292	0.032	0.13		0.41			0.44		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY.

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TABLE 1-3 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR NITROGEN DIOXIDE

ST LOUIS 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	30	0.026	0.04	11	0.18	22	12	0.20	22	1225
FEB.	28	0.021	0.03	6	0.08	6	10	0.09	6	1030
MARCH	31	0.020	0.04	4	0.05	7	17	0.06	7	1720
APRIL	25	0.026	0.05	27*	0.07	27*	19	0.07	27*	1855
MAY	30	0.037	0.05	4*	0.13	4*	8	0.13	4*	800
JUNE	29	0.029	0.05	7	0.08	2#	20	0.09	2#	1905
JULY	29	0.027	0.05	12	0.12	9	20	0.13	9	2030
AUG.	24	0.027	0.05	29	0.13	2	7	0.17	5	1905
SEPT.	26	0.016	0.04	27	0.11	27	7	0.17	27	730
OCT.	29	0.011	0.02	20#	0.05	19*	18	0.06	19*	1825
NOV.	29	0.021	0.04	22	0.07	5	12	0.10	8	1035
DEC.	28	0.019	0.04	11	0.06	10	19	0.07	7*	345
YEAR	338	0.023	0.05		0.18			0.20		

TABLE 1-4 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR SULFUR DIOXIDE

ST LOUIS 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	28	0.055	0.15	10	0.47	19	23	0.81	8	650
FEB.	29	0.021	0.08	19	0.41	29	1	0.77	25#	2255
MARCH	31	0.014	0.04	1	0.26	7	21	0.78	7	2115
APRIL	23	0.014	0.07	6*	0.51	6*	6	0.95	6*	615
MAY	29	0.011	0.03	31	0.16	7	1	0.30	13	325
JUNE	29	0.012	0.04	8*	0.34	9#	0	0.52	9#	20
JULY	31	0.021	0.06	30	0.41	30	1	0.91	30	115
AUG.	29	0.049	0.12	8	0.33	8	21	0.80	8	2115
SEPT.	30	0.039	0.16	16	0.68	14*	22	1.33	14*	2220
OCT.	31	0.030	0.09	30	0.41	5*	1	0.69	30	745
NOV.	30	0.041	0.12	21	0.27	21	0	0.54	25	1805
DEC.	31	0.031	0.10	6	0.32	6	22	0.46	6	925
YEAR	351	0.028	0.16		0.68			1.33		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

TABLE 1-5 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR HYDROCARBON

ST LOUIS 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	31	4.79	9.8	19	14.9	18	19	15.5	19	1215
FEB.	29	4.01	6.1	1	10.1	19	21	10.3	19	2105
MARCH	29	4.17	7.8	16*	10.6	15	22	10.8	2*	245
APRIL	27	3.49	5.8	30	10.7	30	5	10.8	30	550
MAY	30	3.77	7.7	14	16.5	14	6	17.1	14	700
JUNE	29	3.88	7.3	2#	11.4	2#	6	12.5	2#	545
JULY	29	3.06	4.3	4	7.2	12	5	8.4	12	535
AUG.	29	2.55	3.7	21	9.2	21	14	11.2	21	1400
SEPT.	29	3.63	7.1	12	12.0	11	18	14.9	14*	700
OCT.	31	2.78	3.4	7	5.9	19*	22	7.3	31	1720
NOV.	24	2.33	4.0	5	9.1	12	23	12.3	13	210
DEC.	27	2.08	2.9	10	5.5	7*	3	8.4	10	1715
YEAR	344	3.40	9.8		16.5			17.1		

TABLE 1-6 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR TOTAL OXIDANT

ST LOUIS 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	26	0.016	0.04	27*	0.08	27*	5	0.19	27*	545
FEB.	27	0.016	0.03	1	0.06	26	7	0.09	26	730
MARCH	25	0.026	0.04	26	0.08	19	8	0.13	19	805
APRIL	18	0.029	0.05	7#	0.09	21#	12	0.13	29	1625
MAY	25	0.018	0.04	12#	0.09	12#	12	0.13	12#	1240
JUNE	19	0.028	0.04	2#	0.15	15*	12	0.23	19	1425
JULY	19	0.023	0.04	11	0.10	11	11	0.12	26	1730
AUG.	7	A	0.04	9	0.09	9	15	0.12	9	1505
SEPT.	20	0.027	0.05	20	0.10	20	18	0.22	20	1810
OCT.	21	0.023	0.04	31	0.23	10	19	0.37	10	1930
NOV.	13	A	0.04	5	0.07	5	0	0.11	5	0
DEC.	3	A	0.07	7*	0.04	8#	14	0.08	6	810
YEAR	223	0.022	0.05		0.23			0.37		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

Table I-7. FREQUENCY DISTRIBUTION OF CONCENTRATION OF GASEOUS ATMOSPHERIC POLLUTANTS
(5-minute values, concentration in parts per million)

City/pollutant	Valid data, %	Minimum	Frequency distribution, percent 10	30	50	70	90	95	98	99	Maximum	Arithmetic mean
CHICAGO												
CARBON MONOXIDE	65	0	1	3	5	7	13	16	20	24	57	6.2
NITRIC OXIDE	79	.00	.01	.03	.06	.09	.15	.18	.23	.28	.66	.071
NITROGEN DIOXIDE	78	.00	.03	.04	.05	.05	.07	.08	.10	.11	.20	.048
SULFUR DIOXIDE	80	.00	.01	.04	.08	.14	.28	.36	.48	.57	1.33	.117
HYDROCARBON	75	.0	1.9	2.3	2.7	3.2	4.1	4.7	5.6	6.6	17.3	2.90
TOTAL OXIDANT	55	.00	.00	.01	.02	.03	.05	.07	.09	.10	.47	.023
CINCINNATI												
CARBON MONOXIDE	57	0	3	4	5	6	9	11	15	31	45	5.6
NITRIC OXIDE	34	.00	.00	.01	.03	.06	.18	.27	.38	.46	1.26	.064
NITROGEN DIOXIDE	73	.00	.02	.02	.03	.04	.05	.06	.07	.08	1.19	.031
SULFUR DIOXIDE	76	.00	.00	.00	.01	.02	.04	.06	.08	.10	1.49	.017
HYDROCARBON	81	.5	1.7	2.0	2.2	2.6	4.0	5.1	6.5	7.4	18.1	2.58
TOTAL OXIDANT	26	.00	.00	.01	.02	.03	.05	.06	.08	.10	.19	.022
DENVER												
CARBON MONOXIDE	71	0	1	3	4	6	11	14	19	24	90	5.3
NITRIC OXIDE	62	.00	.00	.01	.02	.04	.10	.14	.21	.26	.68	.036
NITROGEN DIOXIDE	71	.00	.01	.02	.03	.04	.06	.07	.09	.11	.38	.036
SULFUR DIOXIDE	60	.00	.00	.00	.01	.02	.03	.04	.06	.08	1.81	.012
HYDROCARBON	71	.0	1.7	2.1	2.5	3.1	4.4	5.4	7.0	8.5	18.7	2.89
TOTAL OXIDANT	48	.00	.00	.01	.03	.04	.06	.07	.09	.11	.43	.029
PHILADELPHIA												
CARBON MONIXIDE	48	0	3	6	8	10	15	18	22	25	49	8.5
NITRIC OXIDE	70	.00	.00	.02	.03	.05	.12	.18	.28	.41	1.68	.054
NITROGEN DIOXIDE	77	.00	.02	.03	.03	.04	.07	.08	.10	.12	.22	.039
SULFUR DIOXIDE	89	.00	.01	.03	.05	.08	.19	.28	.40	.48	1.10	.080
HYDROCARBON	60	.0	1.3	1.6	1.9	2.3	3.3	4.1	5.1	5.9	13.3	2.14
TOTAL OXIDANT	42	.00	.00	.01	.02	.03	.05	.06	.08	.10	.31	.022
ST. LOUIS												
CARBON MONOXIDE	86	0	2	3	4	5	8	10	13	16	47	4.6
NITRIC OXIDE	66	.00	.00	.01	.02	.04	.08	.11	.16	.20	.44	.032
NITROGEN DIOXIDE	81	.00	.01	.02	.02	.03	.04	.05	.06	.07	.20	.023
SULFUR DIOXIDE	90	.00	.00	.00	.01	.03	.07	.11	.18	.23	1.33	.028
HYDROCARBON	89	.4	2.0	2.6	3.1	3.7	5.0	6.0	8.0	9.4	17.1	3.40
TOTAL OXIDANT	48	.00	.00	.01	.02	.03	.04	.05	.07	.08	.37	.022
WASHINGTON D.C.												
CARBON MONOXIDE	82	0	1	2	3	4	6	8	11	14	59	3.3
NITRIC OXIDE	71	.00	.00	.01	.01	.03	.08	.13	.23	.33	.76	.035
NITROGEN DIOXIDE	64	.00	.02	.03	.04	.05	.08	.09	.11	.12	.26	.047
SULFUR DIOXIDE	74	.00	.00	.00	.02	.05	.10	.13	.17	.20	.47	.036
HYDROCARBON	82	.0	1.6	1.8	2.0	2.3	3.0	3.6	4.9	6.0	18.6	2.23
TOTAL OXIDANT	59	.00	.00	.01	.02	.03	.06	.08	.10	.12	.29	.027

Table I-8. FREQUENCY DISTRIBUTION OF SOILING INDEX
(2-hour measurements, concentration in COHS/1000 lineal feet)

(CONCENTRATION IN COHS/1000 LIN. FT.)

CITY	VALID DATA*	MIN	FREQUENCY DISTRIBUTION-PERCENT 10	30	50	70	90	95	98	99	MAX	ARITH MEAN
CHICAGO	100	.0	.5	.9	1.2	1.6	2.3	2.8	3.6	4.1	8.2	1.35
CINCINNATI	95	.0	.2	.5	.7	1.0	1.7	2.2	2.8	3.3	5.6	.87
PHILADELPHIA	100	.0	.3	.6	.8	1.1	1.8	2.2	2.9	3.6	5.6	.95
WASHINGTON, D C	90	.0	.4	.6	.9	1.2	2.0	2.5	3.1	3.6	6.6	1.06
ST LOUIS	80	.0	.2	.4	.6	.8	1.4	1.8	2.3	2.7	4.7	.73
DENVER	75	.0	.2	.4	.6	.9	1.7	2.2	2.9	3.3	6.8	.80

* REPORTED TO NEAREST FIVE PERCENT

VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

SECTION 2.
ST. LOUIS SEASONAL
SEASONAL PATTERNS

ST. LOUIS SEASONAL DIURNAL PATTERNS

Figures 1 through 6 are graphs showing the seasonal diurnal patterns for carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidatns, respectively. Each figure contains four curves, one representing each season, as follows: long-dashed line for summer, short-dashed line for autumn, mixed-dashed line for winter, and solid line for spring.

Each curve represents a composite of the approximately 90 daily patterns in each season plotted by computer using 15-minute averages derived from the basic 5-minute measurements. Dotted lines indicate portions of the curve for which insufficient data are available to provide a valid seasonal average.

The seasons are defined as follows: Winter consists of December, 1967, and January and February, 1968; spring consists of March, April, May; summer consists of June, July, and August; and autumn consists of September, October and November, 1968.

It should be noted that CAMP stations operate on a Standard Time basis. Consequently, during the seasons of Daylight Savings Time, 1-hour shifts may be noted in diurnal patterns of certain pollutants because of a shift in the patterns of human activity that generates these pollutants.

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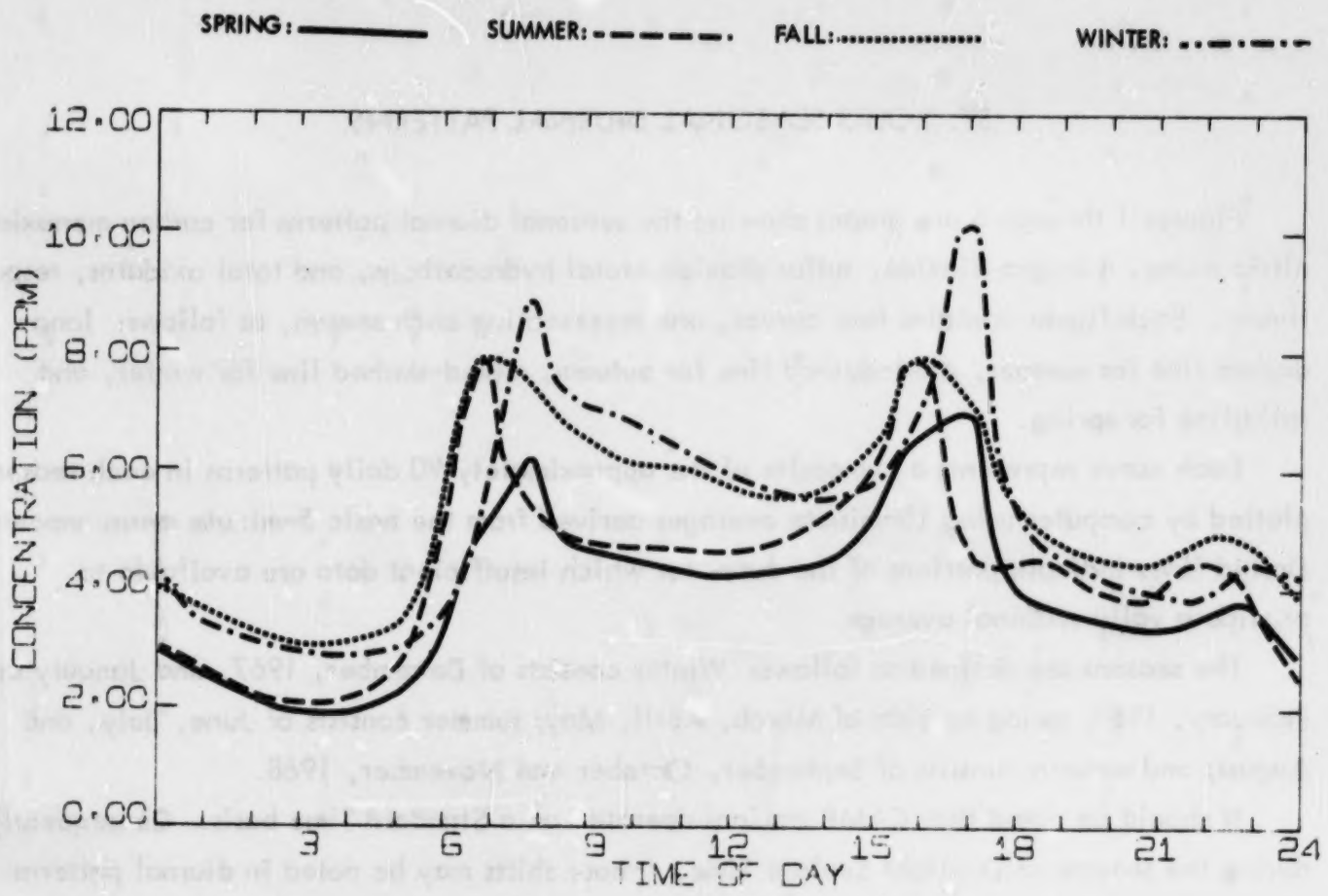

FIGURE 1. SEASONAL DIURNAL PATTERNS OF CARBON MONOXIDE CONCENTRATIONS

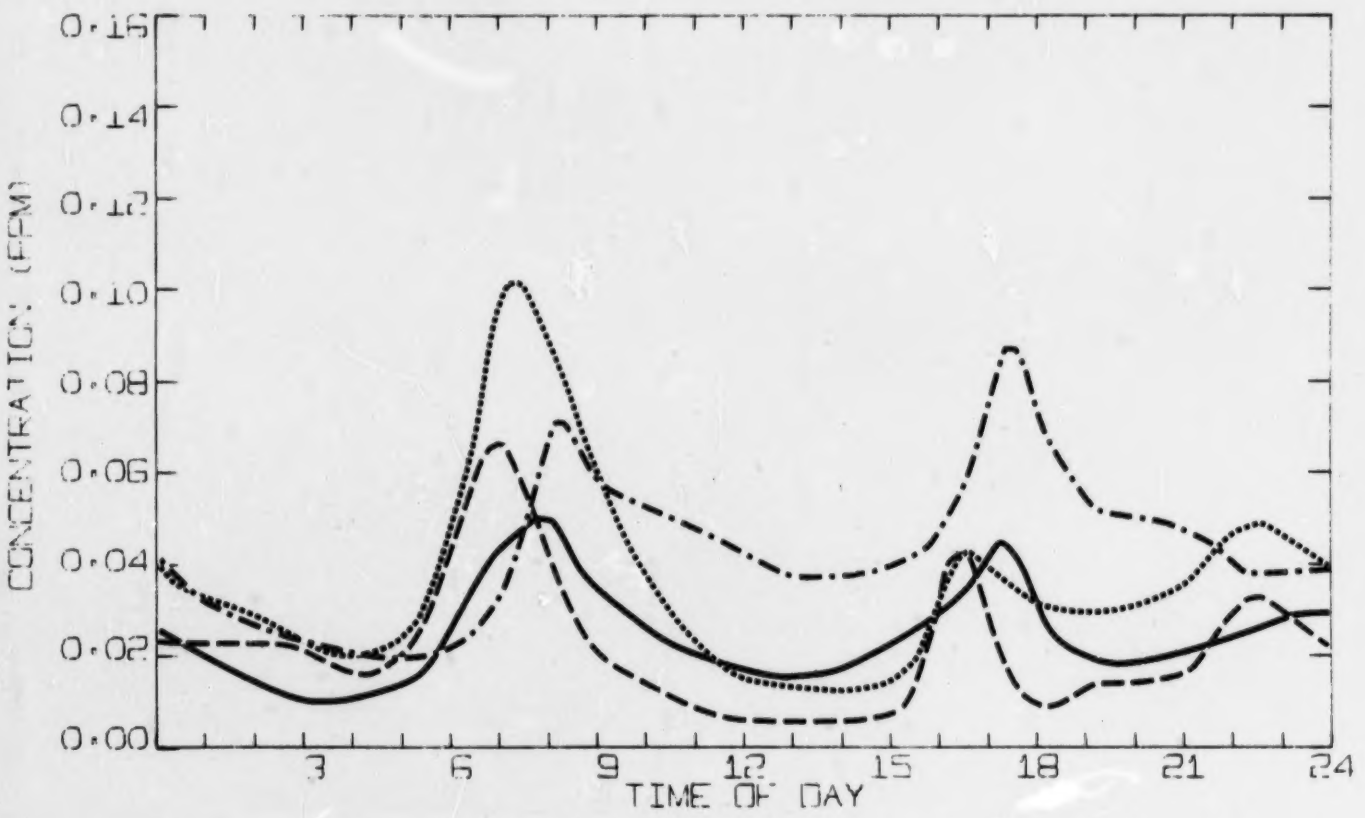

FIGURE 2. SEASONAL DIURNAL PATTERNS OF NITRIC OXIDE CONCENTRATIONS

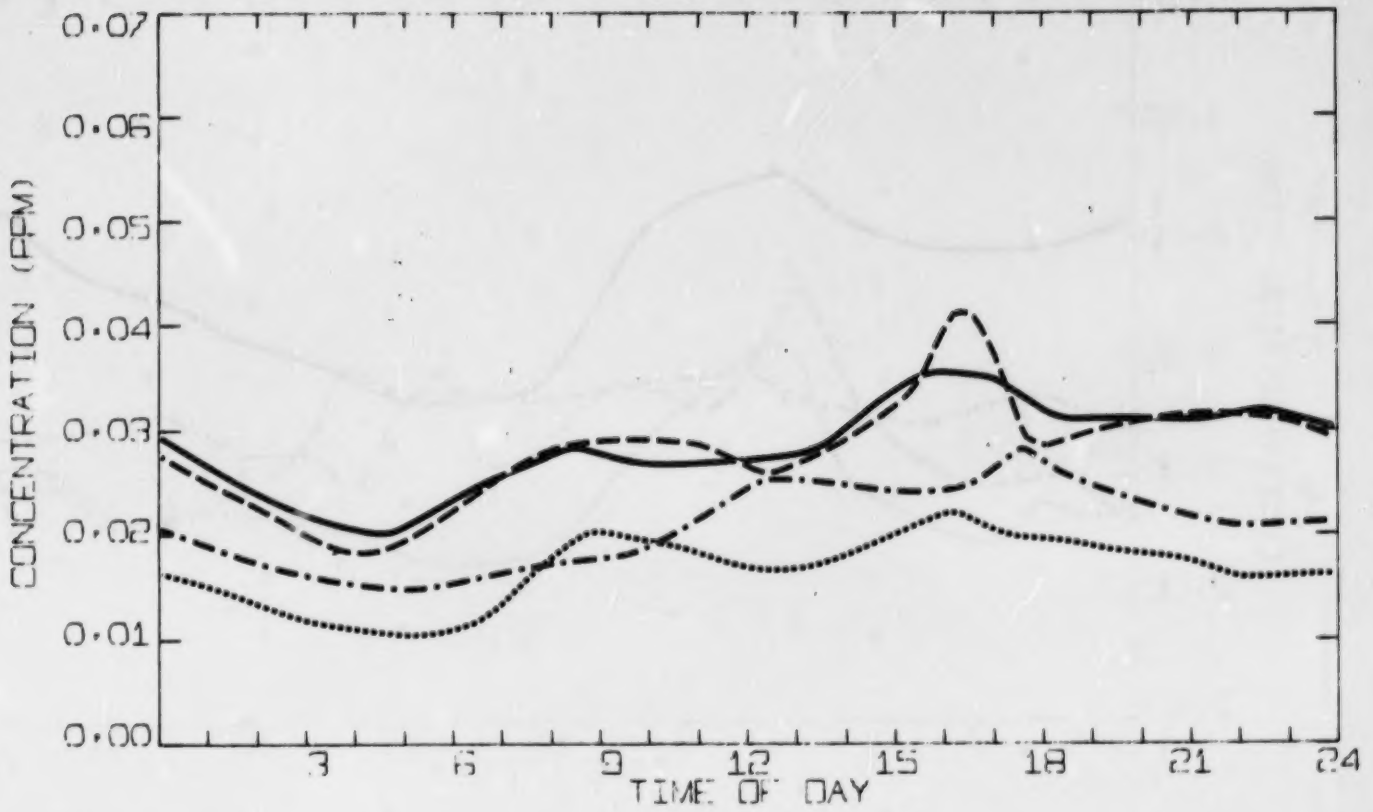

FIGURE 3. SEASONAL DIURNAL PATTERNS OF NITROGEN DIOXIDE CONCENTRATIONS

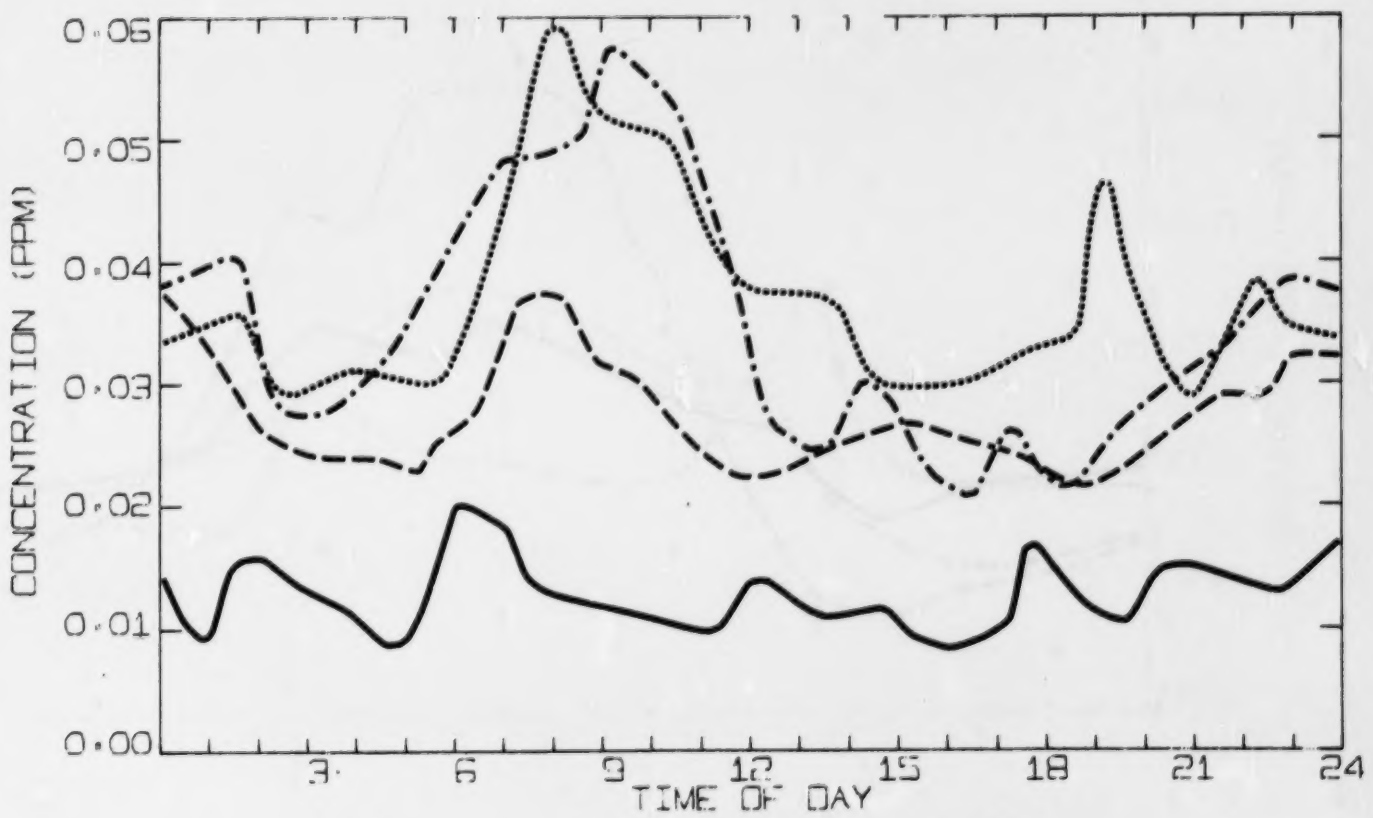

FIGURE 4. SEASONAL DIURNAL PATTERNS OF SULFUR DIOXIDE CONCENTRATIONS

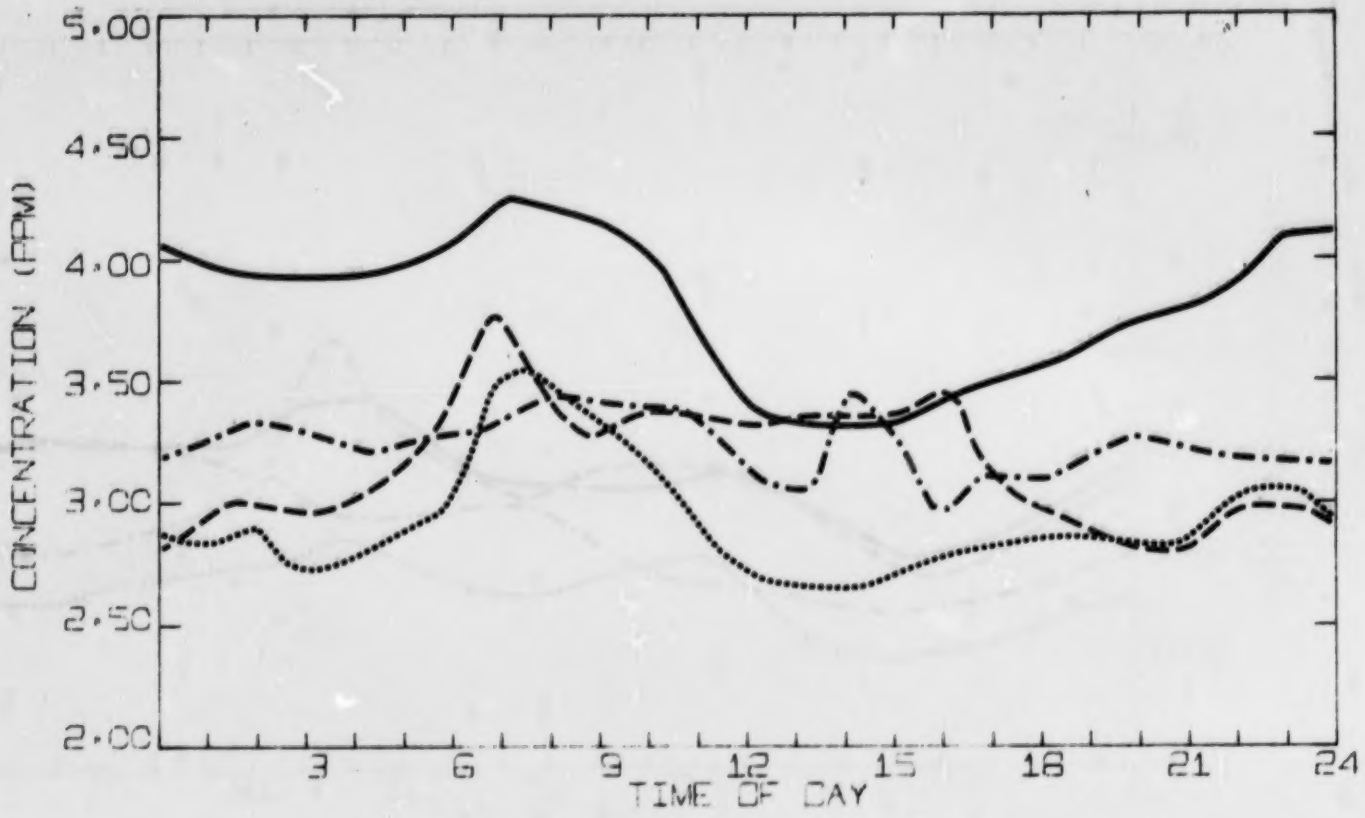

FIGURE 5. SEASONAL DIURNAL PATTERNS OF HYDROCARBON CONCENTRATIONS

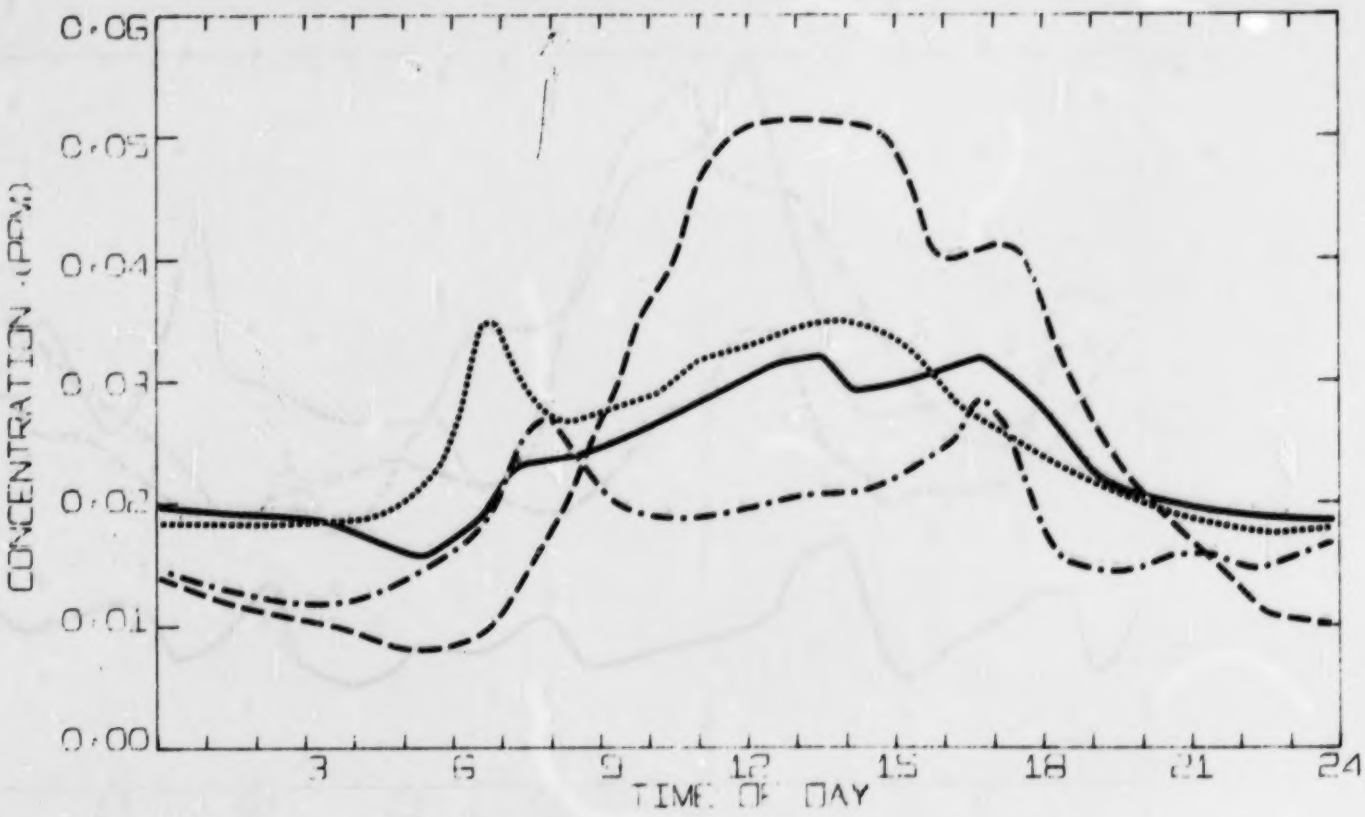

FIGURE 6. SEASONAL DIURNAL PATTERNS OF TOTAL OXIDANT CONCENTRATIONS

SECTION 5
GASEOUS POLLUTANT
DATA TABLES

GASEOUS POLLUTANT DATA TABLES

Data tables 3-1 through 3-72 present hourly average concentrations by month for the gaseous pollutants. Values in these tables are the arithmetic means of the 5-minute values in the clock hour indicated. An hourly average is not calculated if fewer than seven 5-minute values during the hour were valid. Similarly, if a calendar day had fewer than 13 valid data hours, it is considered an invalid data day, and the entire row of averages for the day is deleted. The reason for this procedure, which results in the loss of a few valid hourly averages, is that the data that are lost are usually concentrated at the beginning or end of the day. Since the pollutant concentrations show considerable diurnal variation, the inclusion of such data would introduce a definite bias into the monthly mean concentrations.

The first summary line (titled MEAN) at the bottom of the tables contains the arithmetic means of the hourly averages, and hence represents the pattern of diurnal variation for the month. Again by the same validity criterion, this average is not calculated unless 16 or more hourly averages are present. The second and third summary lines are the number of and maximum of the hourly averages in the column.

The first summary column (titled DAILY MEAN) at the right of the tables is the arithmetic mean* of the 13 or more hourly averages comprising the row, and the second is the number of such valid hourly averages. The third summary column, however, is not the maximum hourly average for the day, but the maximum 5-minute value included in the hours of valid data during the day.

Four summary figures appear in the lower right corner. The upper left is the monthly average, an arithmetic mean, and appears only if 16 or more days were valid. The center number is the total number of valid hours included in the table, which offers some basis for judging the representativeness of the monthly average. The lower left summary number is the maximum daily average from the column above. The lower right number is the maximum 5-minute value from the column above.

*The summary calculations are performed before the hourly averages are rounded.

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CONTINUOUS AIR MONITORING PROGRAM

Table 3-1

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS,MO.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN MAX
1	6	5	5	5	5	5	5	6	5	6	6	6	6	6	6	5	6	5	5	5	5	5	5	5	5.4	24	12
2	5	5	5	4	6	5	7	13	11	10	9	10	11	9	8	9	10	8	6	6	5	5	5	6	7.4	24	29
3	5	4	3	3	3	3	4	5	6	7	7	6	8			7	9	7	6	5	4	5	5	4	5.3	22	13
4	4	4	3	3	3	3	4	5	6	9	7	6	5	5	5	5	7	6	5	4	5	5	6	5	4.9	24	38
5	5	4	3	3	3	4	5	11	9	8	9	10	8	8	8	9	15	12	8	7	6	5	6	6	7.1	24	25
6*	4	3	4	3	3	3	2	3	3	3	4	4	3	3	3	3	3	2	2	2	2	2	3	8	3.1	24	42
7*	2	2	2	2	3	3	3	4	4	3	4	5	4	4	4	4	4			4	6	7	6	6	3.9	22	10
8	5	5	4	5	5	5	8	15	10	8	9	8	8	7	9	10	15	14	5	5	4	5	5	5	7.5	24	28
9	4	4	3	2	3	4	4	6	6	6	5	6				7	11	11	7	7	4	5	5	5	5.5	21	22
10	5	4	4	4	2	2	3	6	5	4	5	6	4	4	5	5	9	7	3	3	3	3	4	6	4.5	24	14
11	4	3	3	4	4	4	5	7	7	7	7	7	7	7	5	7	10	8	6	4	4	4	5	4	5.5	24	24
12	4	3	3	3	3	3	4	16	12	8	9	7	8			9	10	6	5	5	4	4	4	4	6.1	22	31
13*	4	4	3	3	4	4	4	4	5	5	6	6	5	5	5	5	5	5	4	4	4	4	4	4	4.4	24	9
14*	5	4	3	3	3	3	3	3	3	3	4	4	3	4	4	4	4	4	4	3	3	3	4	4	3.5	24	9
15	3	3	3	3	3	3	4	6	6	7	7	7	6	6	6	6	10	9	6	6	5	5	5	5	5.4	24	18
16	5	6	5	5	5	5	7	15	13	12	8	10	6	9				16	8	9	5	5	5	5	7.8	21	29
17	4	5	4	3	5	6	9	18	12	11	11	8	7	8	8	10	20	22	5	3	4	2	5	3	8.1	24	42
18	4	3	3	2	2	2	8	20	13	10	11	8	8	8	10	9	26	18	7	1	1	1	1	2	7.5	24	40
19	1	1	0	0	0	1	5	8	11	9	9	9	6			11	24	22	9	8	8	6	9	8	7.3	22	44
20*	7	5	5	5	5	5	6	10	8	12	10	9	5	5	4	5	5	5	5	5	4	3	5	4	5.8	24	18
21*	3	3	3	3	3	3	3	3	4	3	4	5	4	4	4	5	7	6	9	7	5	5	5	7	4.5	24	14
22	6	5	5	5	5	6	9	16	19	20	13	10	8	8	6	6	9	6	3	3	2	3	3	2	7.5	24	40
23	2	2	2	2	2	2	3	4	4	6	5	4	5	5	5	4	9	7	4	3	3	3	4	5	3.9	24	15
24	3	3	2	2	2	3	3	9	8	7	6	5	5	7	6	9	14	12	5	4	4	4	3	4	5.4	24	34
25	4	3	3	2	2	3	5	11	8	6	9	5	6	6	7	6	11	10	5	3	3	4	3	3	5.3	24	23
26	3	3	2	2	2	3	4	14	12	9	8	8	6			7	9	13	5	7	5	5	7	6	6.3	22	30
27*	5	4	4	3	4	4	4	6	7	9	7	7	6	5	5	6	5	4	5	5	3	4	5	5	5.0	24	20
28*	4	3	3	3	3	3	3	4	5	4	4	4	4	5	5	5	4	4	3	3	3	3	4	4	3.7	24	8
29	3	2	2	2	2	3	5	11	12	13	11	9	10	11	11	13			3	3	3	3	2	2	6.1	22	24
30	3	3	2	2	2	3	5	6	5	9	5	6	5	6	6	9		7	4	3	3	3	3	3	4.2	23	16
31	2	2	1	2	2	4		12	6	6	7	6	5	5	5	7			3	3	2	2	3	2	4.1	21	24
MEAN	4	4	3	3	3	4	5	9	8	8	7	7	6	6	6	7	10	9	5	5	4	4	4	4	5.5		
NO	31	31	31	31	31	31	30	31	31	31	31	31	30	26	25	30	27	28	30	31	31	31	31	31		722	
MAX	7	6	5	5	6	6	9	20	19	20	13	10	11	11	11	13	26	22	9	9	8	7	9	8	8.1		44

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-2

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

ST. LOUIS, MO.

CARBON MONOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	2	2	1	1	2	4		10		8	7	7	6	6	8			2	2	1	1	2	1	1	3.7	20	17
2	1	1	1	1	1	1		4	5	5	4				4		4	5	4	4	3	3			2.9	11	7
3*	3	3	2	3	2	3	4	6		9	5	4	4	5	5	5	5	4	5	4	3	5	4	4	4.0	23	16
4*	4	3	2	2	2	3	3	5	2	9	5	4	5	5	5	5	5	4	3	3	3	3	4	3	3.3	24	12
5	2	2	2	2	2	3	5	5	7	7	5		4	5	5	7	6	8	4	4	4	3	5	3	4.5	23	18
6	3	4	4	2	2	3	4	10	15	14	10	6	6	6	6	6	7	3	1	1	0	0	0	0	4.7	24	26
7	0	0	0	1	1	0	0	2	3	4	4	3	3	3	3	3	4	3	2	2	2	2	2	2	2.1	24	9
8	2	2	2	2	2	2	1	5	5	7	5	5	5	5	4	5	8	7	5	5	4	4	5	6	4.3	24	16
9	4	3	3	2	2	2	1	4	5	4	5	5	5	5	5			5	4	4	4	4	5	4	4.0	22	14
10*	5	9	4	4	4	4	4	5	5	7	6	6	5	4	5	5	5	5	5	5	5	4	6	5	4.9	24	12
11*	5	5	5	5	5	4	4	5	4	4	4	5	5	5	5	4	4	4	4	5	4	4	8	5	4.7	24	20
12	4	4	4	4	4	4	5	6	6	9	5	6	6	6	6	6	6	6	5	4	4	4	4	5	5.0	24	12
13	4	4	3	3	3	3	5	6	8	11	8	8	8	7	7	8	12	5	4	4	4	4	5	5	5.9	24	20
14	3	3	3	3	3	3	4	6	7	8	7	6	6	8	8	8	17	9	4	5	5	4	9	4	6.0	24	31
15	3	3	3	3	2	2	3	5	6	7	8	5	5	6	7	6	7	5	5	5	4	3	4	4	4.6	24	13
16								15	9	9	11	8	8			7	12	8	7	7	5	4	5	5	7.9	15	21
17*	5	5	5	5	5	5	4	9								1	2	2	2	3	2	2	6	3	3.6	17	20
18*	2	2	2	2	2	2	3	2	3	3	3	3	4	5	5	4	3	2	3	4	4	4	3	3	3.1	24	15
19	4	3	2	2	2	3	5	11	8	8	12	10	7	8	9	9	9	9	6	6	5	5	4	4	6.3	24	19
20	4	3	2	2	2	2	3	4	5	5	4	4	4	4	4	5	7	5	2	2	2	2	2	2	3.3	24	12
21	2	2	2	2	2	2	3	4	5	7	7	5	5	6	7	7	8	6	3	4	3	3	4	3	4.2	24	13
22	2	2	2	2	2	2	3	3	6	3	3	4	4	5	4	5	6	4	3	3	3	2	2	3	3.3	24	13
23	2	2	2	2	2	2	4	8	10	10	7	7	6			6	10	7	5	5	4	4	4	8	5.3	22	28
24*	4	3	4	5	4	3	5	9	8	6	5	4	5	4	4	5	4	3	3	3	4	5	3	4	4.4	24	14
25*	4	3	2	2	2	2	3	3	3	3	4	4	7	5	5	6	4	5	4	5	5	5	3	4	3.8	24	16
26	3	2	2	2	1	2	3	5	12	7	13	9	10	7	7	7	12	5	3	2	2	2	2	2	5.4	24	24
27	2	2	2	2	1	2	2	2	4	5	7	7	5	4	5	6	7	5	3	3	3	4	3	3	3.7	24	13
28	3	2	2	2	1	2	2	3	5	4	5	3	4	4	4	4	6	5	4	3	4	2	3	5	3.4	24	15
29	3	2	2	1	2	1	2	3	5	5	3	3	3	4	4	4	5	4	2	2	2	2	3	3	2.7	24	12
MEAN	3	3	3	2	2	3	4	6	6	6	6	5	5	5	5	6	7	5	4	4	3	3	4	4	4.3		
NO	28	28	28	28	28	28	26	29	26	28	28	26	27	25	26	26	27	29	29	29	29	29	28	28		663	
MAX	5	5	5	5	5	5	5	15	15	14	12	10	10	8	9	9	17	9	7	7	5	5	9	8	7.9		31

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-3

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
MARCH 1969

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	2	2	2	2	2	3	4	10	7	7	7	7		7	6	7	10	8	3	4	5	3	5	4	5.1	23	17
2*	3	3	1	1	1	1	1	2	2	3	2	3	2	2	2										2.0	10	13
3*	5	4	4	4	4	4	4	4	4	5	5	6	6	6	7	7	6	6	2	2	2	2	2	3	4.3	24	12
4	2	1	1	1	1	1	4	7	5	5	5	5			6	6	8	7	5	5	6	4	4	3	4.1	22	15
5	2	2	1	1	1	1	4	6	5	4	4	4	3	3			5	4	3	4	4	3	3	3	3.1	22	16
6	3	2	2	2	2	2	3	5	5	5	5	4	4	5	6	5	7	6	4	4	4	4	5	3	4.1	24	19
7	3	2	2	2	4	4	8	12	8	6	5	5	5	6	6	7	11	9	6	4	3	3	3	4	5.4	24	23
8	3	3	3	2	2	2	5	14	8	5	5	5	5	5				6	5	6	5	5	5	4	5.0	21	25
9*	4	3	3	2	2	2	4	9	4	7	5	5	6	6	7	6	6	6	5	4	4	3	4	2	4.4	24	13
10*	2	2	2	1	1	1	1	1	1	1	2	2	2	3	3	3	4	3	3	2	2	2	3	2	2.1	24	5
11	2	2	2	2	2	2	3	4	4	4	4	4	7	3	4	5	6	5	4	4	3	2	4	3	3.5	24	43
12	2	2	2	1	2	2	2	4	4	4	3	3	3			5	6	5	4	4	4	3	4	4	3.2	22	8
13	3	3	3	4	4	4	6	8	8	9	10	7	7	9	9	9	14	11	7	5	4	4	4	4	6.5	24	22
14	4	4	3	3	3	3	7	7	5	6	5	5	5	6	6	6	9	6	5	4	4	4	5	5	4.9	24	15
15	3	3	3	2	2	3	5	10	8	8	9	7				11	14	12	7	6	7	6	6	5	6.6	21	25
16*	4	3	4	4	3	3	3	4	5	6	5	6	6	5	5	7	6	6	6	7	6	6	7	6	5.0	24	16
17*	4	4	2	2	2	3	2	2	2	2	2	3	3	3	3	3	4	4	4	3	2	2	2	3	2.8	24	9
18	3	2	2	1	1	2	4	9	7	5	5	6	7	8	7	12	21	15	6	4	3	3	3	3	5.9	24	40
19	3	2	2	2	2	4	8	8	11	7	7	6			8	10	11	9	4	3	3	4	5	3	5.6	22	31
20	1	1	1	1	1	1	1	3	2	3	3	3	2	3	3	3	6	5	1	1	1	1	1	1	2.1	24	17
21	1	1	1	1	1	1	3	3	3	3	3	3	2	2	2	3	3	3	2	2	2	2	3	2	2.2	24	14
22	1	1	1	1	1	1	2	4	4	3	3	3				4	5	5	3	2	2	2	2	2	2.4	21	11
23*	1	1	1	1	1	1	3	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1.4	24	13
24*	1	1	1	1	0	0	1	1	1	1	1	1	2	2	3	6	6	7	6	5	4	4	4	3	2.6	24	12
25																											
26								8	6	8	6	7	8	8			12	6	2	1	2	0	1	1	4.9	15	22
27	0	0	0	0	0	0	2	4	3	3	3	3	3	4	4	6	8	7	4	2	2	2	2	2	2.6	24	14
28	2	1	1	1	1	1	4	10	6	4	4	4	4	5	5	8	10	8	7	5	3	3	3	2	4.3	24	20
29	1	1	1	1	0	2	3	10	9	8	6	7			5	6	9	8	3	3	3	3	3	3	4.3	22	20
30*	3	2	1	0	1	1	2	2	3	4	3	5	5	5	6	5	4	3	2	2	2	2	1	2	2.6	24	11
31*	1	1	0	0	0	1	1	1	1	2	1	1	1	0	0	1	0	1	1	1	1	1	1	1	0.8	24	9
MEAN	2	2	2	2	2	2	3	6	5	5	4	4	4	4	5	6	7	6	4	3	3	3	3	3	3.8		
NO.	29	29	29	29	29	29	29	30	30	30	30	30	24	24	24	26	28	29	29	29	29	29	29	29		682	
MAX.	5	4	4	4	4	4	8	14	11	9	10	7	8	9	9	12	21	15	7	7	7	6	7	6	6.6		43

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-4

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

ST. LOUIS, MO.

CARBON MONOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	1		0	0	1	1	3	4	4	5	7	4	5	5	5	7	9	7	5	4	3	3	5	6	4.0	23	19
2	4	2	2	3	2	3	4	14	10	7	7	7	6	6			11	9	4	4	4	3	3	3	5.2	23	35
3	3	2	2	2	2	2	4	5	6	6	5	4	4	5	5	5	12	12	4	3	3	3	4	3	4.3	24	30
4	3	3	2	2	2	2	2	4	5	5	4	4	3	4	4	5	5	4	3	2	2	2	2	3	3.2	24	9
5	2	2	2	2	2	2	3	4	4	5	4	5	4	4	4		7	5	4	4	5	4	5	5	3.8	23	12
6*																											
7*																											
8																											
9		0	0	0	0	0	2	4	3	2	1	2	3	3					3	4	4	4	3	3	2.1	19	17
10	3	3	2	2	1	2	3	9	4	6	5	5	5	4	4	5	6	4	4	4	2	4	9	5	4.1	24	31
11	3	3	2	1	1	2	3	9	6	5	6	5	6	7	7	7	8	8	3	3	4	3	4	3	4.5	24	18
12	2	3	2	2	2	3	4	8	5	5	4	4	5				7	6	4	3	3	3	4	4	3.9	21	13
13*	4	4	3	3	2	2	3	4	4	5	6	4	4	3	3	3	3	3	2	2	2	3	3	3	3.2	24	11
14*	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	3	2	2	3	3	1.9	24	7
15	2	2	2	2	2	2	4	8	4	6		4	3	5	5	6	10	9	4	3	3	3	3	4	4.1	23	18
16	3	2	2	2	1	1	3	4	5	5	6	5	7	6	5	7	12	10	4	3	2	4	2	2	4.2	24	24
17	2	1	1	1	2	1	3	8	8	5	5	5				5	9	10	5	4	3	4	2	2	4.1	21	24
18	3	3	4	2	1	3	5	7	7	3	4	6	5	4	7	5	7	6	3	3	3	3	3	4	4.4	24	18
19	4	2	1	1	1	2	4	8	6	6	5	6			7	10	12	10	4	4	3	3	4	3	4.9	22	21
20*	3	2	3	3	2	2	3	4	3	3	4	4	4	4	3	3	3	3	3	3	3	4	4	4	3.1	24	9
21*																											
22																											
23	2	3	2	2	2	2	3	6	4	4	4	4	3	3	3	3	5	3	3	3	3	3	2	2	3.1	24	10
24	2	2	2	2	2	2	3	3	4	5	4	4	4	4	4	4	5	4	3	3	4	4	3	5	3.4	24	8
25	4	3	3	2	2	2	3	5	4	5	4	5	5	5	6	7	9	9	5	5	4	3	3	4	4.5	24	20
26	2	2	3	2	2	3	3	4	6	6	6	5	4	5	4	5	6	6	4	5	4	4	6	5	4.1	22	13
27*	4	3	3	3	2	2	3	4	4	4	4	4	4	4	5	4	3	5	6	6	4	5	8	5	4.2	24	19
28*									3	3	3	3	3	4	4	4		3	5						3.2	19	12
29																											
30		1	1	1	2	2	4	4	4	4	3				5	7	5	4	3	4	5	8	6	4	3.8	20	16
MEAN	3	2	2	2	2	2	3	6	5	5	4	4	4	4	5	5	7	6	4	4	3	3	4	4	3.8		
NO.	22	23	24	24	24	24	24	24	24	24	23	23	21	20	20	19	22	23	24	23	23	23	23	23		541	
MAX.	4	4	4	3	3	4	9	14	10	7	7	7	7	7	7	10	12	12	6	6	5	8	9	6	5.2		33

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-5

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	3	2	2	2	2	3	5	6	5	4	4	5	5	6	5	5	4	3	3	5	5	2	2	2	3.8	24	13
2	2	2	1	2	2	4	9	7	6	5	4	5	6	6	7	13	8	4	6	7	5	5	4	3	5.0	24	22
3	2	2	2	2	2	3	5	4	4	3	3				4	6	4	3	4	5	3	4	5	4	3.6	23	12
4*	5	5	4	3	3	4	5	5	4	4	4	4	4	3	3	3	3	3	4	3	3	3	4	3	3.7	24	9
5*	3	2	2	3	4	2	3	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3.5	24	6
6	3	3	2	2	3	6	9	7	6	5	4	5	5	5	6	8	7	4	5	4	4	6	4	4	4.8	24	18
7	4	3	3	3	3	4	11	6	5	4	4	4			5	9	8	6	5	3	4	6	5	4	4.9	22	25
8	3	3	3	3	3	5	10	9	7	6	6	5	6	6	-	13	8	4	4	3	3	4	4	2	5.2	24	21
9	2	1	2	1	2	3	4	4	4	4	4	4	4	4	4	5	4	3	2	3	3	3	3	3	3.1	24	9
10	5	2	2	2	2	4	7	6	4	4	4	5	6		7	11	10	3	3	3	6	5	4	3	4.7	23	28
11*	2	2	3	2	2	2	3	4	3	3	3	3	3	4	3	3	4	3	3	3	3	3	4	6	3.1	24	8
12*	5	4	3	3	4	3	2	3	2	3	3	4	4	4	5	5	4	4	3	3	3	3	3	2	3.3	24	17
13	1	1	2	1	2	6	12	11	8	7	6	5	5	7	6	12	8	3	3	4	3	2	3	3	5.1	24	23
14	3	2	2	2	2	4	11	10	7	6	5	6	6	6	7	11	6	4	4	2	2	2	2	2	4.8	24	25
15	1	2	1	0	1	5	10	9	6	4	5		4	6	6	9	8	4	2	2	2	1	2	1	4.0	23	21
16	2	2	2	2	2	2	4	4	4	5	4	4	4	5	4	6	4	3	3	3	4	5	5	3	3.5	24	11
17	2	2	2	3	2	3	5	6	5	6		3	5	5	5	7	6	4	4	5	5	6	5	5	4.3	23	11
18*	4	3	3	3	3	4	5	5	4	5	5	5	4	3	3	4	2	2	2	2	2	2	3	2	3.3	24	8
19*	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	5	3	2.8	24	11
20	2	2	2	2	2	3	5	5	6	4	4	4	4	4	4	5	4	3	3	3	3	4	5	4	3.6	24	11
21	3	2	2	2	2	3	4	5	6	4	4	4	4	4				5	5	6	5	6	7	5	4.1	21	11
22	5	4	4	4	4	6	12	9	7	7	7	5	5	5	5	11	7	4	3	3	3	5	3	4	5.5	24	23
23	4	3	3	3	4	7	11	12	12	10	7	6	5	6	8	12	9	5	4	4	3	3	3	2	6.0	24	27
24	3	3	2	2	2	3	5	6	7	5	7	5		5	5	9	8	5	5	5	6	7	6	4	4.9	23	19
25*	4	3	3	3	3	4	4	5	5	5	4	4	6	5	4	4	5	5	4	4	8	4	3	4	4.4	24	28
26*	3	2	2	1	1	1	2	1	1	2	2	2	1	2	2	3	1	2	1	1	1	2	2	1	1.6	24	9
27	1	1	2	2	2	3	5	5	6	6	4	4	4	4	4	5	4	3	3	3	4	4	4	4	3.5	24	9
28	3	3	2	2	3	3	6	5	5	6	4	3	4			4	5	4	5	4	5	4	4	3	4.0	22	11
29	3	2	2	2	2	3	6	5	4	4	4	4	4	4	4	5	4	3	3	3	4	6	6	5	3.8	24	9
30	5	4	3	3	3	3	4	3	3	3	3	3	3	4	4	3	3	3	4	4	4	7	4	3	3.5	24	14
31	3	4	3	3	4	6	12	8	6	5	6			6	6	7	6	4	3	4	4	4	6	5	5.2	23	26
MEAN	3	2	2	2	3	4	6	6	5	5	4	4	4	5	5	7	5	4	4	4	4	4	4	3	4.1		
NO.	31	31	31	31	31	31	31	31	31	31	30	28	27	27	29	30	30	31	31	31	31	31	31	31		728	
MAX.	5	9	4	4	4	7	12	12	12	10	7	6	6	7	8	13	10	6	6	7	8	7	7	6	6.0		28

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-6

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	4		3	2	2	2	3	3	4	4	4	4	3	3	2	2	2	3	3	3	3	4	3	3	3.0	23	7
2*	4	5	3	4	3	4	5	3	3	3	3	3	4	4	5	5	5	4	4	4	5	5	5	5	4.0	24	11
3	3	3	2	2	2	6	12	8	7	5	4	3	4	5	5	6	5	3	3	3	4	4	4	3	4.3	24	23
4	3	2	1	1	2	6	10	7	4	4	4	3	4			10	6	4	4	3	3	3	3	3	4.1	22	16
5	2	1	1	2	2	6	10	5	4	5	5	4	5	5	5	8	7	5	4	4	3	4	3	3	4.3	24	18
6	3	2	1	2	2	7	17	6	5	5	5	5	6	5	5	8	6	4	3	3	5	3	3	2	4.7	24	36
7	2	2	2	2	2	6	12	8	7	7	7			7	6	8	8	5	7	4	3	5	6	3	5.4	22	25
8*	3	3	3	4	5	5	7	8	5	4	5	5	6	6	6	7	7	5	5	6	5	5	7	5	5.2	24	18
9*	4	3	3	3	3	3	3	3	3	3	4	5	6	6	6	7	5	6	8	5	8	6	4	3	4.6	24	23
10	3	2	2	2	3	6	12	8	6	5	8	6		6	8	11	9	6	5	5	5	5	4	3	5.6	23	20
11	2	2	2	1	2	3	5	5	5	6	6	5	5				5	4	3	3	3	4	3	2	3.5	21	13
12	2	2	2	2	2	3	4	4	3	3	3	3	3	3	4	5	4	3	2	2	2	3	3	3	2.9	24	13
13	2	4	2	2	3	5	10	7	5	4	5	5	5	5	6	9	9	6	6	3	4	3	4	4	4.9	24	17
14	3	3	3	3	2	3	10	7	6	5	6	5			7	12	7	5	7	5	5	8	5	4	5.5	22	22
15*	3	3	2	3	3	4	4	4	4	5	5	5	5	4	5	5	4	5	4	7	4	2	2	3	3.9	24	15
16*	2	1	1	1	1	1	2	2	2	3	3	4	3	3	4	3	3	3	3	3	3	4	6	3	2.7	24	9
17	4	2	2	2	2	4	6	6	5	4	5	4	4	5	5	5	9	3	4	3	3	3	3	3	4.1	23	21
18	2	2	2	2	3	5	10	7	6	5	5	5	5				8	4	6	4	3	7	3	2	4.6	21	15
19	2	1	1	1	2	5	8	5	4	5	4	4	4	3	3	6	6	3	4	2	2	4	2	2	3.5	24	26
20	1	1	1	1	1	2	4	6	4	4	6	5	4	7	6	8	6	3	2	2	2	2	4	1	3.5	24	16
21	1	0	0	0	1	4	9	5	5	5	5	5	5	6				5	7	4	4	4	8	3	4.0	21	15
22*	2	2	1	1	1	2	2	2	2	2	3	3	3	3	5	6	3	4	4	8	5	4	5	4	3.3	24	20
23*	3	2	2	2	1	2	2	2	2	2	4	5	4	4	5	4	4	4	3	3	3	3	3	2	2.9	24	8
24	1	1	1	1	2	5	7	8	9	8	10	6	5	6	9	12	9	3	5	10	6	4	3	2	5.5	24	16
25	2	2	2	2	2	4						3	4				6	4	7	4	4	6	5	3	3.8	16	24
26	2	2	2	2	3	5	8	7	6	5	4	4	4	4	5	6	5	3	3	3	3	3	3	3	3.9	24	11
27	3	3	3	3	3	3	5	4	5	5	4	4	4	5	4	5	4	3	5	5	7	8	7	5	4.5	24	14
28	4	4	3	3	3	6	10	9	8	8	8	7					7	5	5	4	3	3	4	3	5.3	20	15
29*	4	2	2	2	3	3	4	4	5							6	5	5	5	4	3	3	3	3	3.6	18	9
30*	2	2	2	1	1	2	2	2	3	3	4	5	6	5	6	7	5	5	5	5	4	3	4	2	3.6	24	13
MEAN	3	2	2	2	2	4	7	5	5	4	5	5	4	5	5	7	6	4	5	4	4	4	4	3	4.1		
NO	30	29	30	30	30	30	29	29	29	28	28	28	25	23	23	25	29	29	30	30	30	30	30	30		684	
MAX	4	5	3	4	5	7	17	9	9	8	10	7	6	7	9	12	9	6	8	10	8	8	8	5	5.6		36

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-7

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

ST. LOUIS, MO.
CARBON MONOXIDE
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	2		1	1	2	3	5	8	7	7	7	6	7	5	5	7	5	3	3	3	4	5	6	4	4.6	23	16
2	2	1	1	1	1	2	5	6	5	5	4	4	4	4		5	4	2	2			0	2	1	2.9	23	10
3	1	0	0	1	2	4	7	6	5	4	3	4	5	4	5	5	5	4	3	2	2	4	3	3	3.5	24	19
4	5	5	5	3	3	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	10	3	2	3.8	24	24
5	1	1	1	1	2	3	9	7	6	6	5	5	6	5			4	4	3	3	3	4	4	3	3.8	22	13
6*	4	3	2	2	2	2	3	3	3	3	4	4	5	5	5	5	5	4	4	4	3	4	5	4	3.7	24	7
7*	3	3	3	2	3	2	3	3	3	4	4	4	5	5	6	5	5	4	5	3	3	3	4	3	3.6	24	8
8	2	3	3	2	3	5	9	9	7	6	6	6	6	6	9	11	8	4	3	3	3	3	3	2	5.0	24	18
9	2	2	1	2	2	4	10	7	6	6	5	6				10	7	5	4	4	5	4	7	5	5.0	21	18
10	4	4	3	2	2	3	5	5	4	4	4	5	5	5	5	7	7	5	5	4	3	3	3	3	4.1	24	12
11	4	6	5	5	5	5	7	8	9	6	4	5	5	5	6	7	9	6	5	4	4	5	7	4	5.6	24	17
12	5	4	3	1	4	5	14	8	7	5	4	4	5	4	5		7	4	6	4	3	5	3	2	4.8	23	33
13*	1	2	1	1	1	2	3	3	4	3	5	4	4	4	5	6	4	2	3	3	4	2	2	2	2.9	24	10
14*	1	1	1	0	1	1	1	2	1	2	2	3	3	2	4	2	2	1	2	2	2	3	2	1	1.8	24	10
15																											
16		1	0	1	2	4	12	7	5	4	4	4	6	7				5	5	4	2	6	4	2	4.2	20	22
17	2	2	1	1	2	4	13	9	6	5	6	5	5	6	8	8	8	5	9	4	2				5.4	21	23
18																											
19																											
20*																											
21*																											
22																											
23																											
24																											
25																											
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN			2	2	2	3	7	6	5	5	4	4						4	4						4.0		
NO.	15	15	16	16	16	16	16	16	16	16	16	16	15	15	12	13	15	16	16	15	15	15	15	15		367	
MAX.	5	6	5	5	5	5	14	9	9	7	7	6	7	7	9	11	9	6	9	4	5	10	7	5	5.6		33

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-8

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

ST. LOUIS, MO.

CARBON MONOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3*																											
4*																											
5	4	4	4	3	1	4	11	7	6	7	7	8	8	10	11	15	12	8	9	8	7	9	6	4	7.3	24	24
6	5	5	4	4	2	2	8	6	4	2	5	7	4	8	10	14	9	8	8	9	6	7	6	5	6.1	24	19
7	4	4	4	3	4	6	13	12	9	8	6	6			7	8	7	6	5	5	3	3	7	3	5.9	22	28
8	1					3	8	7	6	5	6	5	6	4	7	10	16	7	7	7	5	4	5	1	6.0	20	23
9	1	1	2	1	1	3	6	5	5	3	3			4	5	5	5	3	4	3	3	5	4	3	3.5	22	14
10*	4	2	3	2	2	2	3	2	2	2	3	3	3	3	3	3	3	3	3	4	4	3	3	3	2.8	24	8
11*	2	2	2	4	2	2	2	2	2	2	4	5	5	6	6	6	7	6	5	6	4	3	3	3	3.8	24	9
12	2	2	2	2	2	4	10	8	6	6	7	6	6	5	4	8	6	2	3	2	3	1	2	2	4.2	24	22
13	1	1	1	1	1	3	4	7	5	5	4	4	4	3	3	7	7	2	3	3	2	4	2	2	3.2	24	14
14																											
15									4	4	5	6	7	6	9	10	12	6	7	5	4	5	7	3	6.3	16	22
16	2	2	2	2	2	4	11	10	8	6	7	6	5	5	8	12	11	5	8	8	3	7	8	2	6.0	24	29
17*	3	1	1	1	1	1	2	3	3			4	5	5	5	5	5	4	4	5	5	4	4	5	3.4	22	9
18*	5			2	2	3	2	3	3	3	3	4	4	4	5	4	4	3	3	3	4				3.3	19	9
19					4			11	8	7	7	7	7	6	7	11	9	7	7	6	6	7	7	6	7.3	16	17
20	7	7	7	7	7	7	7	7	7	7	7	6	6	5	5	5	9	5	3	3	4	4	4	3	5.7	24	9
21	2	2	2	2	1	2	3	6			4	5	5	4	5	8	7	3	3	3	4	3	4	2	3.6	22	14
22	2	2	2	1	2	4	12	8	5	7	6	6	5	6	8	12	8	5	6	4	4	4	4	3	5.2	24	25
23	3	3	2	3	2	2	2	3	3	3	3	4	5	6	6	10	9	4	7	4	4	3	7	3	4.2	24	17
24*	2	2	1	1	1	1	2	1	2		0	0	1	1	1	0	0	0	0	0	0	0	0	0	0.8	23	4
25*	1	1	1	1	1	1	1	1	1	2	1	1	2	2	3	2	2	2	2	2	3	3	3	3	1.8	24	4
26	2	2	2	2	2	2	7	7	5	5	5	4	5	6	6	8	7	6	6	4	5	8	5	3	4.8	24	15
27	4	3	3	3	3	4	10	7	6	6	5	5	5		6	8	8	5	5	4	4	11	6	4	5.4	23	19
28	4	4	3	3	4	5	10	10	7	7	7	6	6	6	8	8	7	5	5	4	4	5	4	4	5.7	24	17
29	4	4	3	3	4	6	10	8	7	7	6	7	6	7	7	8	9	7	5	5	5	5	5	5	6.0	24	22
30	4	4	4	4	5	8	15	12	9	8	7	6	8	8	6	10			4	4	5	5	6	5	6.6	22	23
31*																											
MEAN	3	3	3	3	2	3	7	6	5	5	5	5	5	5	6	8	7	5	5	4	4	5	5	3	4.7		
NO	23	21	21	22	23	23	23	24	24	22	24	24	23	23	25	25	24	24	25	25	25	24	24	24		565	
MAX	7	7	7	7	7	8	15	12	9	8	7	8	8	10	11	15	16	8	9	9	7	11	8	6	7.3		29

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-9

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	5		4	4	4	5	4	4	4	4	5	7	8	8	8	7	7	6	6	6	6	6	8	7	5.8	23	10
2	5	4	4	3	3	3	4	3	3	5	5	6	6	7	7	6	5	5	6	3	3	6	1	1	4.4	23	10
3	2	2	1	2	3	7	10	12	6	7	5	7	6	6			5	5	4	3	4	3	4	4	5.3	22	29
4	3	3	3	2	2	4	11	9		7	6	5	5	8	5	11	10		2			2		1	5.2	19	27
5	1	0	0	1	1	1	5	4	3	4	4	6	3	3	3	4	3	2	2	2	3	4	4	2	2.7	24	19
6	1	0	0	1	1	1	3	7	5	5	4	5			8		10	6	4	3	5	4	5	2	3.8	21	15
7*	3	3	2	2	2	2	3	3	3	4	5	5	6	7	9	9	6	7	4	3		4	3	2	4.2	23	12
8*	2	1	1	1	1	2	2	2	2	4	4	4						4	3	2	2	2	2	1	2.2	19	9
9	1	1	1	1	1	2	4	4	6	7	5	4	4	3	4	6	4	2	3	2	2	4	3	3	3.1	24	12
10	3	2	2	2	2	3	4	4	4	4	3				5	5	5	3	4	3	3	5	4	2	3.4	21	14
11																											
12		4	3	4	4	5	12	9	10	7	8	8	8	9	8	10	8	8	6	5	5	8	7	6	7.0	23	23
13	7	5	4	4	3	7	19	11	11	10	10	8	9	9			7	6	6	7	5	6	9	6	7.6	22	26
14*	5	5	4	4	5	6	8	7	7	6	8	8	9	10	12	10	9	7	8	7	7	5	6	4	6.9	24	14
15*	4	4	4	4	4	5	5	5	5	5	7	7	8	10	10	10	9	9	7	6	6	5	5	4	6.2	24	12
16	4	4	4	4	5	6	12	10	9	10	9	7	7	d	7	13	10	7	9	10	6	6	13	7	7.7	24	25
17	5	5	4	4	6	7	18	12	8	9	9	10	8	7			8	7	5	5	4	5	5	4	7.0	22	30
18	4	4	4	4	5	7	13	10	8	8	6	7	7	8	9	12	9	6	5	4	4	4	4	5	6.4	24	21
19	3	3	4	4	3	4	10	11	8	7	8	9	9	7	8	13	16	4	4	4	5	4	5	5	6.5	24	37
20	5	5	4	3	4	7	16	10	7	7	7	6	6				6	5	4	4	3	4	3	3	5.7	21	30
21*	2	2	2	2	2	3	5	5	4	4	7	6	6	7	7	6	5	6	6	6	5	4	7	5	4.7	24	14
22*	5	3	3	3	3	3	4	3	4	4	5	6	7	8	9	8	7	6	5	6	4	6	5	4	4.9	24	10
23	4	4	3	3	3	5	15	11	8	9	8	5	5	6	8	11	6	6	7	5	6	4	4	4	6.2	24	28
24	4	4	4	3	3	4	8	9	8	5	5	5			8	8	8	7	6	6	6	6	5	4	5.6	22	16
25	3	2	3	3	3	5	11	14	15	13	11	7	6	6	6	9	9	7	7	5	6	6	6	5	6.8	24	25
26	4	4	3	3	3	7	16	11	8	8	5	6	6	4	5	6	5	4	5	5	4	5	5	4	5.6	24	22
27	4	5	6	6	7	9	17	14	13	10	7	6				8	8	8	8	5	10	18	10	6	8.9	21	32
28*	6	8	7	6	5	4	5		4	6	6	6	7	7	8			5	5	5	5	5	5	4	5.6	21	10
29*	3	4	3	3	3	3	4	4	4	5	5	7	6	7	7	5	4	5	5	6	6	7	7	6	5.0	24	9
30	6	5	4	3	4	4	14	11	9	8	6	5	6	6	7	10	7	5	6	4	4	4	4	3	5.9	24	23
MEAN	4	3	3	3	3	4	8	8	7	6	6	6	7	7	7	8	7	6	5	5	5	5	5	4	5.6		
NO.	28	28	29	29	29	29	29	28	28	29	29	28	24	23	23	22	27	28	29	27	27	28	27	29		653	
MAX.	7	8	7	6	7	9	19	14	15	13	11	10	9	10	12	13	16	9	9	10	10	18	13	7	8.9		37

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Table 3-10

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	3	2	2	2	3	5	13	9	7	6	6	5	4			12	8	6	5	5	4	5	5	4	5.4	23	19
2	3	4	3	4	4	5	11	10	9	8	8	7	3	4	7	10	7	3	4	4	4	4	3	3	5.6	24	19
3	3	3	3	3	3	4	6	7	5	6	6	6	4	4	5	7	5	5	4	5	5	4	4	4	4.6	24	10
4	4	4	4	4	4	5	9	10	9	6	3				5	6	8	5	5	7	5	7	8	5	5.9	21	18
5*	5	5	4	4	4	4	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4.7	24	12
6*	3	3	3	3	3	3	4	4	3	3	3	4	4	4	5	5	4	5	6	4	4	5	4	4	3.9	24	10
7	4	4	4	4	4	8	14	11	8	6	6	6	6	7	9	11	11	7	6	5	5	4	4	3	6.5	24	29
8	4	3	3	3	3	5	9	8		6	5	6	3	3	8	13	14	7	6	5	5	5	5	5	5.8	23	34
9	4	4	3	3	4	5	16	12	14	9	8	9	7	7	7	7	6	4	4	4	3	3	4	3	6.3	24	31
10	3	2	2	2	3	3	7			7	7	10	3	4	9	10	11	7	7	5	6	5	6	4	5.5	22	22
11	4	3	3	3	4	7	14	14	10	8	6	6				10	10	5	6	5	5	6	4	4	6.5	21	40
12*	4	3	3	3	3	4	6	6	6	6	5	5	4	5	6	6	4	4	6	5	6	5	5	5	4.8	24	10
13*	4	3	3	3	3	3	4	3	4	4	5	5	4	4	5	5	4	4	6	4	4	3	3	2	3.8	24	11
14	3	2	2	2	3	4	9	13	13	10	6	6	8	7	7	10	8	6	4	3	3	4	4	3	5.8	24	23
15	2	2	2	2	3	4	8	6	7	5	7	8	6	6			5	.5	5	4	4	4	4	4	4.6	22	15
16	3	3	3	3	4	5	11	10	7	8	6	6	5	6	7	10	8	5	5	4	5	4	4	3	5.6	24	23
17	3	3	2	3	3	5	10	7	9	6	5	4	4	5	6	6	5	4	3	3	4	3	5	4	4.6	24	17
18	3	3	3	2	2	4	7	9	8	6	6			5	5	6	6	6	8	7	6	6	5	4	5.2	22	19
19*	4	3	3	3	3	4	6	6	5	5	5	3	1	2	3	3	4	5	6	9	9	11	14	11	5.3	24	19
20*	8	6	5	5	4	4	5	3	3	4	3	5	3	3	3	3	3	4	5	5	5	8	10	6	4.7	24	17
21	5	3	3	3	3	8	16	11	9	6	6	6	6	6	7	10	7	4	3	4	4	4	4	3	5.8	24	26
22	2	2	2	2	2	2	4	4	4	4	3	3	3	3		5	4	3	4	3	3	4	4	3	3.2	23	8
23	3	3	3	2	3	4	9	10	9	7	6	6	6	7	8	11	10	6	5	5	3	4	5	4	5.8	24	21
24	3	3	2	2	3	3	4	4	4	4	4	4	4	4	4	5	4	4	3	3	3	2	3	3	3.4	24	8
25	3	3	3	2	3	4	8	8	6	5	5			5	5	5	5	4	4	4	4	6	9	5	4.8	22	20
26*	3	4	3	3	3	3	4	4	4	5	4	4	4	3	4	5	5	6	5	5	3	4	5	4	4.0	24	10
27*	3	3	3	2	2	2	2	3	2	3	3	3	4	3	3	4	4	3	3	2	2	2	2	2	2.7	24	7
28	2	2	1	1	1	2	2	4	4	5	5	4	3	4	4	4	4	6	2	2	2	3	2	3	3.0	24	19
29	2	2	2	2	2	2	2	6		6	6	5	4			7	13	13	5	4	3	3	3	3	4.5	21	24
30	3	2	2	2	2	3	5	15	9	5	6		7	7	5	7	16	16	6	4	3	4	3	5	6.1	23	31
31	4	4	4	3	3	4	7	11	8	11	8	8	7	8	8	10	16	19	8	5	4	4	3	5	7.2	24	47
MEAN	4	3	3	3	3	4	8	8	7	6	5	5	5	5	6	7	7	6	5	4	4	5	5	4	5.0		
NO	31	31	31	31	31	31	31	30	28	31	31	27	27	27	26	30	31	31	31	31	31	31	31	31		722	
MAX	8	6	5	5	4	8	16	15	14	11	8	10	8	8	9	13	16	19	8	9	9	11	14	11	7.2		47

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-11

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	3	3	3	3	3	3	6	13	9	7	7	8	8			5	9	8	6	6	7	5	7	7	6.0	22	25
2*	6	6	5	5	4	4	4	6	6	5	7	6	7	6	6	5	5	6	4	4	3	4	4	4	5.0	24	10
3*	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5	4	4	3.6	24	10
4	4	4	4	4	4	4	5	8	8	8	8	6	6	6	6	7	8	11	8	8	8	8	9	8	6.5	24	19
5	11	8	6	6	9	9	12	18	12	12	10	9	9			8	12	16	7	6	11	5	5	5	9.2	22	33
6	5	4	4	3	3	3	4	7	6	5	5	6	6	6	5	5	7	7	4	3	3	3	3	4	4.6	24	15
7	3	2	2	2	2	2	3	5	6	5	5	5	5	5	5	5	7	6	4	4	3	3	3	4	3.9	24	11
8	3	2	3	3	3	3	3	6	7	6	6	5	5			5	5	6	4	3	4	4	4	4	4.2	22	14
9*	4	4	3	3	3	3	3	5	4	3	4	4	4	4	5	7	6	5	4	4	4	4	7	7	4.3	24	18
10*	5	5	4	4	3	3	4	4	5	3	3	4	7	5	5	7	15	5	5	4	4	3	4	3	4.7	24	36
11	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	6	5	4	3	3	3	3	3.9	24	10
12	3	3	3	3	3	3	3		7	6	8	7	5	5				9	9	6	6	6		7	5.3	19	16
13	7	6	6	5	4	5	6	7		9	8	9	7	7	7	7	9	10		6	6	5	5	6	6.5	22	15
14	5	5	5	4	4	4	5		12	9	9	9	9	8	9	11	9	12		6	5	5	5	6	7.0	22	22
15	5	5	4	4	4	3	4			8		6							8	4	4	4	3	3	4.5	15	17
16*	4	3	3	2	2	2	2	2			4	5		4	3	4	4		4	3	4	3	4	3	3.2	20	8
17*	4	3	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	5	4	5	5	3	3	3	3.3	24	10
18	4	4	3	3	3	3	3	3	5	7	9	8	8	5	5	5		4	4	3	3	3	3	4	4.4	23	15
19	3	3	3	3	3	3	4	5	6	6	6	7			5	6	8	6	4	4	4	4	4	5	4.6	22	19
20	4	4	4	4	4	4	4	5	7	7	8	6	7	6	7	8	9	8		6	8	7	5	6	5.9	23	13
21	5	5	5	5	5	5	8	13	10	10	10	7	7	7	8	6	11	11	7	5	6	6	5	6	7.1	24	19
22	5	5	5	5	4	6	8	18	16	13	9	9	9			8	16	14	7	7	6	5	6	6	8.4	22	27
23*	5	4	4	3	3	3	5	5	6	6	5	5	4	4	4	5	4	4	5	5	5	5	5	4	4.5	24	9
24*	4	4	4	3	4	4	4	5	5	4	5	5	6	6	6	8	7	7	8	7	7	5	4	4	5.3	24	14
25	4	4	4	4	4	5	6	11	15	14	13	7	7	7	7	11	19	13	6	5	4				8.0	21	39
26																											
27		3	2	2	2	2	4	6	5	6	6	6	4	4	5	5	10	8	4	3	2	3	3	3	4.2	23	22
28	3	2	2	2	2	2	2	3	3	3	3	3	3	2	3	2	2	2	2	2	2	2	2	3	2.4	24	7
29	2	2	2	2	3	2	3	5	5	8	6	7	6	5	5			5	4	5	5	6	8	11	4.8	22	16
30*	5	7	4	5	5	6	6	8	8	6	6	5	5	5	5	5	5	7	4	5	4	3	4	5	5.3	24	11
MEAN	4	4	4	3	3	4	4	7	7	7	6	6	6	5	5	6	8	8	5	5	5	4	4	5	5.2		
NO.	28	29	29	29	29	29	29	26	26	28	28	29	26	23	23	26	25	27	26	29	29	28	27	28		656	
MAX	11	8	6	6	9	9	12	18	16	14	13	9	9	8	9	11	19	16	9	8	11	8	9	11	9.2		39

*Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-12

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS.MO.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	4	3	3	3	3	3	3	4	3	3	3	4	4	4	5	6	4	4	5	5	6	4	5	5	4.0	24	14
2	4	3	3	3	3	3	6	13	10	9	9	7	7	7	7	8	12	10	7	5	5	5	5	6	6.6	24	23
3	5	5	3	3	4	3	4	8	7	8	6	5	4	4	5	5	7	6		3	3	3	4	4	4.7	23	17
4	3	3	3	3	3	3	4	7	8	11	10	7	6	7	7	9	17	14	5	4	3	3	3	3	6.1	24	30
5	3	3	2	2	2	2	2	4	5	7	8	4	4	5	5	6	6	6	4	3	3	3	3	4	4.0	24	10
6	3	3	3	3	3	3	9	16	14	8	7	6	6	6	7			9	7	8	8	8	8	7	6.8	22	27
7*	6	5	5	8	4	2	2	3	3	3	3	4	3	3	3	3	4	3	3	3	3	3	3	4	3.6	24	10
8*	3	3	3	3	2	3	3	3	3	3	3	4	4	4	3	3	5	5	5	4	4	4	6	5	3.7	24	10
9	3	2	2	2	2	2	4	14	8	7	6	6	4	5	5	7	15	12	4	3	3	4	3	4	5.4	24	37
10	3	3	3	3	3	3	5	13	13	7	7	7	5	7		9	17	16	8	7	6	5	4	4	6.9	23	41
11	3	3	3		3	4	8	16	10	8	6	6	5	7	5	6	10	7	4	3	3	4	3	3	5.7	23	28
12	3	2	2	2	2	2	3	6	6	5	5	4	4	4	4	4	10	5	3	3	2	2	2	3	3.7	24	19
13	2	2	2	2	2	2	3	5	4	4	3			4	4	5	6	5	4	3	3	3	3	4	3.4	22	9
14*	4	3	3	3	3	3	3	4	4	4	4	4	5	4	4	4	5	4	4	4	4	3	4	5	3.7	24	5
15*	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	4	5	4	4	4	4	5	3.9	24	7
16	5	6	5	5	5	5	6	11	12	11	11	9	8	8	8	9	14	20	11	8	7	6	6	6	8.4	24	22
17	6	5	4	4	4	4	5	11	14	10	9	8	8	8	8	9	12	17	10	7	6	6	5	6	7.6	24	19
18	6	5	5	4	5	5	6	15	19	13				8	9	8	10	16	8	5	5	4	3	3	7.7	21	21
19	4	3	4	3	3	3	3	5	8	6	5	6	5	5	5	4	6	6	4	3	3	3	3	4	4.2	24	9
20	3	3	2	2	2	2	4	5	7		6	6	5	6	5	5	7	10	7	6	6	5	6		5.1	22	11
21*		5	4	4	3	3	3	4	5	6	6	6	6	6	6	6	5	5	4	5	4	4	4	4	4.7	23	8
22*	4	3	3	3	3	2	3	4	4	4	4	4	3	3	2	2	2	2	2	2	2	2	2	3	2.8	24	4
23	2	2	2	2	2	1	2	3	4	6	7	6	6	5	6	5	5	4	3	3	3	3	3	3	3.7	24	13
24	3	2	2	2	3	3	4	6	7	7	7	5	5	5	4		4	4	3	3	3	4	4	4	4.1	23	12
25	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	2	2	3	4	4	3	3	3	3	3.1	24	6
26	3	3	3	3	3	3	4	11	9	6	7	11	8	7	9	8	9	9	4	5	4	4	0	0	5.5	24	19
27	2	5	4	3	3	3	5	12	14	8	11	10	9		9	9	15	13	5	6	6	4	3	4	7.1	23	33
28*	3	3	3	2	2	2	3	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3.1	24	9
29*	3	3	3	3	2	3	3	4	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3.3	24	8
30	3	2	2	2	3	3	4	10	10	11	11	10	7	12	15	11	9	4	3	3	3	3	3	3	6.1	24	23
31	3	3	3	3	3	3	3	5	7	8	6	6	6	5	5	6		4	4	4	4	4	5	4	4.5	23	15
MEAN	4	3	3	3	3	3	4	7	7	6	6	6	5	5	5	6	8	8	5	4	4	4	4	4	4.9		
NO.	30	31	31	30	31	31	31	31	31	30	30	29	29	30	30	29	29	31	30	31	31	31	31	30		728	
MAX.	6	6	5	8	5	5	9	16	19	13	11	11	9	12	15	11	17	20	11	8	8	8	8	7	8.4		41

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-13

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.01	.02	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01							.010	17	.03
2																											
3		.00	.00	.00	.00	.00	.01	.04	.05	.04	.03	.03	.03	.03			.04	.06	.07	.06	.04	.03	.03	.01	.027	21	.07
4	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00					.04	.01	.01	.03	.06	.04	.06	.016	20	.07
5	.06	.04	.02	.02	.01	.01	.03	.10	.13	.09	.09	.09	.10	.09			.15	.20	.14	.09	.09	.06	.06	.10	.080	22	.23
6*	.09	.06	.07	.06	.07	.06	.04	.05	.05	.04	.04	.03	.03	.02			.01	.01	.01	.01	.01	.00	.00	.01	.035	22	.10
7*	.01	.00		.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00		.01	.01	.02	.02	.01	.03	.08	.10	.08	.017	22	.11
8	.06	.03	.02	.01	.01	.02	.04	.14	.19	.11	.08	.09	.07	.07			.14	.18	.09	.06	.04	.04	.04	.03	.071	22	.23
9	.03	.02	.02	.02	.03	.04	.04	.07	.07	.05	.04	.04	.04	.04			.12	.22	.17	.15	.13	.13	.09	.09	.074	22	.23
10	.10	.07	.05	.03	.03	.04	.04	.10	.12	.09	.08	.08	.07	.07			.07	.13	.08	.08	.09	.08	.07	.06	.073	22	.15
11	.07	.06	.06	.05	.05	.04	.07	.13	.18	.13	.12	.09	.08	.09			.10	.14	.10	.07	.07	.07	.06	.05	.085	23	.19
12	.04	.04	.03	.03	.02	.02	.04	.12	.20	.13	.11	.12	.16	.14					.06	.05	.02	.02	.01	.01	.069	20	.23
13*	.01	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.02	.02		.03	.03	.02	.02	.01	.01	.01	.01	.012	23	.04
14*	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.01			.01	.01	.00	.01	.00	.00	.003	21	.01
15							.00	.02	.03	.03	.02	.02	.02	.01			.07	.10	.10	.07	.06	.06	.05	.04	.043	16	.12
16	.06	.07	.08	.08	.07	.06	.05	.07	.13	.12	.08	.06	.11	.09			.05	.15	.12	.08	.08	.07	.05	.04	.079	22	.21
17	.03	.02	.02	.01	.01	.01	.03	.08	.09	.06	.05	.05	.04	.03			.10	.19	.11	.06	.04	.02	.01	.01	.048	22	.20
18																											
19																											
20*		.11	.08	.10	.12	.09	.08	.11	.11	.12	.12	.14	.04	.03			.02	.03	.03	.03	.04	.02	.02	.04	.069	21	.18
21*	.02	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01			.04	.07	.18	.19	.12	.08	.06	.08	.046	22	.22
22	.12	.12	.11	.10	.09	.10	.09			.16	.15	.11	.07	.03			.05	.06	.03	.02	.02	.02		.01	.077	19	.18
23	.00		.00	.00	.00	.00	.00			.02	.02	.02	.02	.02			.04	.10	.06	.04	.02	.02	.02	.03	.023	19	.11
24	.03	.01	.00	.00	.00	.01	.02	.07	.10	.06	.05	.04	.03	.03			.10	.14	.08	.05	.04	.04	.03	.03	.043	22	.17
25	.02	.02	.01	.01	.01	.00	.01	.06	.10	.06	.06	.05	.04	.05					.09	.07	.05	.04	.03		.040	19	.12
26								.08	.14	.08	.07	.06	.05	.04			.03	.11	.06	.04	.05	.04	.05	.05	.062	15	.18
27*	.04	.04	.02	.01	.01	.01	.02	.03	.04	.06	.04	.04	.04	.03			.04	.04	.04	.04	.03	.03	.03	.04	.031	22	.07
28*	.03	.02	.02	.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.03		.02	.03	.03	.02	.01			.01	.01	.020	21	.07
29																											
30	.02	.02	.03	.01	.00	.01	.01	.06	.09	.06	.06	.07	.09	.08			.10	.17	.10	.07	.06	.06	.04	.04	.055	28	.20
31	.05	.03	.03	.02	.02	.03	.05	.15	.17	.11	.09	.07	.06	.05			.10	.16	.15	.12	.11	.10	.09	.08	.085	22	.20
MEAN	.04	.03	.03	.02	.02	.02	.03	.06	.08	.06	.05	.05	.05	.04			.06	.10	.08	.06	.05	.05	.04	.04	.048		
NO.	23	24	24	25	25	25	26	25	25	27	27	27	27	26	1	4	23	24	26	26	25	25	25	25		560	
MAX	.12	.12	.11	.10	.12	.10	.09	.15	.20	.16	.15	.14	.16	.14	.02	.02	.15	.22	.18	.19	.13	.13	.10	.10	.085		.23

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-14

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.07	.06	.06	.05	.05	.05	.04	.05	.05	.06	.11	.12	.12	.11			.15	.24	.19	.13	.08	.05	.03	.01	.085	22	.25
2	.01	.00	.00	.00	.00	.00	.00	.00	.02	.02	.02	.02	.02					.04	.04	.03	.04	.03	.03	.06	.018	20	.10
3*	.04	.02	.01	.01	.03	.02	.01	.07	.09	.08	.05	.03	.03	.02			.03	.03	.04	.05	.05	.05	.04	.04	.037	22	.11
4*	.04	.04	.03	.02	.02	.01	.01	.02	.01	.01	.00	.01	.01	.01				.06	.07	.05	.04	.03	.04	.04	.027	21	.09
5	.03	.02	.01	.01	.01	.02	.04	.07	.13	.09	.05	.05	.03	.02			.07	.09	.08	.05	.07	.10	.06	.04	.052	22	.14
6	.06	.04	.04	.04	.03	.03	.05	.10	.19	.26	.21	.09	.04	.02			.03	.05	.04	.01	.00	.00	.00		.064	21	.27
7								.01	.02	.01	.01	.01	.01	.01			.02	.03	.02	.01	.00	.00	.00	.00	.010	15	.03
8	.00	.00	.00	.00	.00	.00	.00	.01	.02	.03	.02	.03	.02	.02			.03	.04	.06	.06	.05	.05	.06	.07	.025	22	.09
9	.08	.06	.05	.03	.02	.02	.01	.02	.02	.02	.02								.04	.02	.02	.01	.01	.01	.027	17	.09
10*	.01	.01	.01	.01	.01	.00	.01	.01	.01	.02	.02	.03	.03	.02			.02	.01	.01	.02	.01	.01	.01	.01	.014	22	.03
11*	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.01	.01	.01	.00	.02	.003	23	.02
12	.02	.01	.00	.00	.00	.00	.00	.01	.02	.02	.01	.01	.01	.00		.00	.01	.01	.01	.01	.01	.01	.00	.00	.007	23	.02
13	.00	.00	.00	.00	.00	.00	.00	.01	.04	.03	.03	.03	.03	.03			.02	.04	.03	.02					.017	18	.04
14		.01	.01	.01	.00	.00	.00	.01	.04	.03	.03	.03	.03	.02			.05	.09	.06	.04	.04	.04	.04	.04	.029	21	.09
15	.02	.01	.01	.01	.00	.00	.00	.00	.03	.03	.03	.03	.03	.02					.05	.04	.04	.04	.04	.04	.024	20	.05
16	.03	.03	.03	.03	.01	.01	.02	.07	.08	.07	.06	.06	.04	.04			.04	.05	.07	.05	.05	.03	.02	.01	.041	22	.10
17*	.01	.01	.01	.00	.00	.00	.00	.00		.01	.02	.01	.01	.01			.01	.01	.01	.02	.02	.01	.03	.03	.010	21	.04
18*	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.02	.07	.07	.06	.05	.012	23	.10
19	.06	.07	.06	.07	.09	.06	.08	.11	.16	.14	.14	.14	.12	.11			.08	.12	.10	.10	.09	.12	.07	.06	.095	22	.18
20																											
21								.01	.02	.02	.02	.02	.01	.01				.04	.02	.01	.01	.01	.01	.02	.017	14	.04
22	.01	.01						.03	.05	.08	.04	.02	.02	.02			.03	.04	.03	.03	.02	.03	.03	.02	.028	17	.09
23	.02	.02	.01	.01	.03	.03	.05	.09	.08	.07	.06	.04	.02	.02		.03	.03	.05	.03	.04	.04	.04	.03	.05	.037	23	.11
24*	.04	.03	.03	.11	.09	.08	.06	.12	.15	.12	.06	.03	.02	.01					.00	.00	.01	.02	.02	.02	.050	20	.18
25*	.02	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01			.01	.02	.04	.04	.04	.04	.03	.03	.015	22	.07
26	.03	.00	.00	.00	.00	.00	.01	.06	.10	.07	.06	.06	.04	.07				.07	.03	.02	.01	.00	.00	.00	.029	21	.11
27	.00							.01	.03	.03	.03	.04	.04	.04					.06	.04	.06	.05	.06	.05	.038	14	.07
28	.05	.03	.02	.01	.01	.01	.02	.05	.06	.03	.03	.02	.02	.02		.02	.03	.06	.05	.04	.04	.04	.04	.03	.031	23	.07
29	.03	.05	.03	.02	.01	.01	.00	.01	.02	.01	.01	.01	.01	.00					.01	.00	.00		.00		.012	18	.07
MEAN	.03	.02	.02	.02	.02	.01	.02	.03	.05	.05	.04	.03	.03	.03			.03	.05	.04	.03	.03	.03	.03	.03	.031		
NO.	25	25	24	24	24	24	24	28	27	28	28	27	27	26		5	19	23	28	28	27	26	27	25		569	
MAX.	.08	.07	.06	.11	.09	.08	.08	.12	.19	.26	.21	.14	.12	.11		.03	.15	.24	.19	.13	.09	.12	.07	.07	.095		.27

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-15

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1							.03	.09	.10	.09	.08	.07	.01	.01		.02	.04	.07	.05	.05	.05	.05	.04	.04	.058	11	.14
2*																											
3*		.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00		.00	.00	.00	.00	.01	.00	.01	.05	.05	.011	22	.06
4	.03	.01	.01	.01	.00	.01	.02	.06	.04	.04	.02	.03	.02	.01		.02	.03	.08	.04	.03	.05	.05	.04	.05	.029	23	.09
5	.04	.01	.01	.00	.00	.00	.00	.03	.03	.02	.01	.01	.01	.00		.00	.01	.00	.00	.00	.00				.008	20	.05
6								.01	.01	.01	.01	.01	.01	.01		.01	.02	.06	.05	.03	.04	.04	.04	.04	.024	16	.09
7	.03	.02	.02	.02	.06	.09	.07	.13	.12	.08	.06	.04	.05	.04			.04	.11	.07	.06	.03	.06	.03	.04	.057	22	.17
8	.03	.03	.01	.01	.01	.01	.04	.12	.13	.06	.04	.03	.02								.00	.00	.01	.03	.034	17	.18
9*	.01	.01	.01	.00			.04	.06	.05	.07	.04	.02	.02	.01		.00	.01	.01	.02	.00	.00				.021	18	.11
10*																											
11		.00	.01	.01	.00	.00	.02	.01	.01	.00	.00	.01	.02	.02		.03	.06	.10	.06	.02	.01	.01	.00	.00	.018	22	.15
12	.01	.00	.01	.01	.01	.01	.00	.01	.03	.02	.02	.01	.01	.00		.00	.01	.01	.00	.00	.00	.00	.00	.00	.006	23	.04
13	.00	.00	.00	.00	.01	.03	.06	.10	.05	.08	.07	.02	.01	.01			.08	.16	.07	.05	.03	.02	.01	.01	.038	22	.20
14	.00	.00	.00					.03	.02	.01	.01	.00	.00					.05	.04	.03	.02	.01	.01	.02	.015	16	.06
15	.01	.01	.00	.00	.00	.00	.00	.01	.05	.06	.06	.06	.06	.08			.13	.16	.16	.15	.15	.14	.13	.13	.070	22	.18
16*	.12	.10	.09	.09	.07	.07	.07	.06	.05	.06	.06	.05	.06	.05				.03	.04	.06	.06	.07	.07	.10	.066	21	.13
17*	.10	.07	.04	.02	.05	.05	.04	.02	.02	.01	.01	.00	.00	.00			.01	.01	.01	.01	.01	.00	.00	.01	.021	22	.10
18	.01	.00	.00	.00	.00	.00	.02	.06	.10	.05	.02	.03	.06	.06			.13	.27	.17	.13	.09	.07	.04	.02	.060	22	.30
19	.02	.02	.01	.00	.00	.00	.01	.02	.04	.05	.05	.04	.03	.02		.09	.10	.10	.06	.04	.03	.07	.08	.07	.040	23	.11
20								.01	.03	.02	.01	.01	.01	.00		.04	.04	.05	.02	.00	.00	.00	.00	.00	.015	16	.08
21	.00							.00	.02	.01	.01	.01	.00				.02	.02	.01	.01	.01	.02	.01	.01	.011	15	.03
22	.01	.00	.00	.00	.00	.00	.01	.02	.04	.03	.02	.02	.02	.01			.03	.06	.04	.02	.02	.00	.00	.00	.016	22	.07
23*	.00	.00							.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.01	.02	.02	.02	.005	16	.04
24*	.01	.00	.02	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00		.00	.00	.00	.03	.06	.03	.01	.01	.01	.011	23	.07
25	.00	.00	.00	.00	.00	.00	.04	.10	.11	.06	.05	.04	.02	.01			.01	.00							.028	16	.16
26								.04	.06	.03	.00	.00	.00	.00			.03	.08	.00	.00	.00	.00			.018	15	.11
27							.00	.01	.02	.00	.00	.01	.01	.01				.06	.02	.00	.00	.00	.00	.02	.010	15	.08
28	.03	.00	.00	.00	.00	.00	.04	.09	.07	.01	.00	.00					.03	.03	.02	.03	.01	.00	.00	.00	.017	20	.11
29	.00	.01	.02	.00	.00	.00	.04	.05	.06	.03	.01	.01	.00	.00			.04	.10	.06	.04	.04	.03	.03	.07	.028	22	.15
30*	.08	.02	.01	.00	.01	.03	.07	.05	.03	.02	.01	.01	.01	.00		.00	.00	.00	.01	.00	.01	.00	.01	.02	.016	23	.10
31*	.02	.01	.01	.00	.01	.01	.01	.02	.01	.01	.02	.01	.01				.00	.01	.01	.01	.02	.01	.01	.01	.010	21	.03
MEAN	.02	.01	.01	.01	.01	.02	.03	.04	.04	.03	.02	.02	.02	.02			.03	.06	.04	.03	.03	.03	.03	.03	.027		
NO.	22	23	22	21	20	20	23	28	29	29	29	29	28	24		12	25	28	27	27	28	26	25	25		570	
MAX.	.12	.10	.09	.09	.07	.09	.07	.13	.13	.09	.08	.07	.07	.08		.09	.13	.27	.17	.15	.15	.14	.13	.13	.070		.30

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-16

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.01		.00	.01	.00	.01	.02	.04	.06	.04	.02	.02	.02	.01			.04	.07	.03	.03	.03	.02	.01	.02	.024	21	.09
2	.03	.01	.00	.00	.00	.00	.00	.06	.11	.09	.06	.05	.05	.04			.08	.11	.04	.03	.02	.01	.01	.01	.035	22	.14
3	.01	.00	.00	.00	.00	.00	.00	.02	.03	.06	.03	.03	.02	.02			.04	.11	.02	.00	.00	.00	.02	.03	.019	22	.16
4	.01	.00	.00	.00	.00			.00	.01	.01	.01	.00	.00					.00	.00						.003	13	.03
5						.00	.00	.01	.02	.03	.02	.01	.01	.02			.02	.06	.04	.03	.03	.04	.04	.06	.025	17	.08
6*	.05	.04	.05	.04	.02	.03	.05	.04	.02	.02	.01	.01	.01	.01			.00	.00	.00	.00	.00	.00	.00	.00	.018	22	.07
7*	.00						.00	.00	.00	.00	.00	.00	.00	.00		.00	.00		.00	.00	.00	.00	.00	.00	.000	17	.00
8	.00	.00	.01	.00	.00	.00	.00	.03	.04	.02	.01	.00	.00	.00		.00	.01	.01	.01	.01	.00	.01	.00	.01	.007	23	.07
9	.02	.03	.00	.00	.00	.00	.04	.07	.09	.04	.02	.01	.02	.01			.01	.02	.03	.02	.03	.04	.05	.06	.027	22	.11
10	.07	.07	.05	.02	.01	.00	.02	.05	.04	.01	.01	.00	.00	.00			.01	.01	.00	.02	.02	.03	.07	.11	.026	22	.17
11	.04	.03	.02	.01	.00	.00	.04	.05	.06	.04	.03	.03	.01	.01							.01	.01	.01	.02	.023	18	.08
12	.01	.00	.00	.00	.00	.00	.01	.05	.05	.04	.01	.02	.00	.00		.01	.02	.04	.01	.00	.01	.00	.00	.00	.012	23	.09
13*	.01	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.004	23	.03
14*	.00	.00	.00	.00	.00	.01	.01	.01	.02	.01	.01	.01	.01	.01			.00	.01	.01	.02	.02	.01	.01	.01	.008	22	.02
15	.01	.01	.00	.01	.01	.03	.03	.07	.06	.04	.04	.04	.02	.01			.04	.09	.05	.04	.03	.03	.02	.02	.031	22	.12
16	.03	.02	.01	.01	.00	.02	.03	.03	.03	.04	.05	.05	.06	.06			.07	.08	.04	.01	.00	.00	.01	.01	.029	22	.11
17	.00	.00	.00	.00	.00	.00	.00	.05	.06	.03	.04	.04	.02	.02			.02	.09	.02	.01	.01	.01	.00	.00	.018	22	.13
18	.00						.01	.04	.07	.03	.01	.01	.01	.00				.06	.01	.01	.01	.00	.01	.01	.018	16	.10
19	.00		.00	.00	.00	.00	.00	.04	.05	.02	.01	.01	.01	.01			.09	.08							.019	15	.11
20*																											
21*		.01	.01	.02	.03	.06	.01	.02	.02	.01	.01	.01	.00	.00		.00	.00	.00	.00	.02	.02	.02	.02	.02	.013	22	.07
22	.04	.01	.00	.00	.00	.00	.03	.07	.06	.03	.03		.01	.01			.07	.11	.02	.01	.01	.01	.01	.02	.024	21	.14
23																											
24																											
25																											
26																											
27*																											
28*		.01	.01	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00		.00	.00	.00	.01	.01	.01	.03	.05	.02	.007	22	.06
29	.03	.02	.01	.00	.00	.01	.05	.08	.05	.02	.00	.00	.00	.00		.01	.01								.018	16	.10
30																											
MEAN	.02	.01	.01	.01	.00	.01	.02	.03	.04	.03	.02	.01	.01	.01			.03	.05	.02	.01	.01	.01	.02	.02	.018		
NO	20	18	20	20	20	20	22	23	23	23	23	22	23	22		7	20	20	20	19	20	20	20	20		465	
MAX	.07	.07	.05	.04	.03	.06	.05	.08	.11	.09	.06	.05	.06	.06		.01	.09	.11	.05	.04	.03	.04	.07	.11	.035		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-17

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2						.01	.06	.06	.04					.00			.05	.00	.00	.03	.06	.04	.02	.01	.030	15	.11
3																											
4*		.08	.05	.04	.04	.04	.07	.06	.03	.01	.01	.01	.01	.01			.00	.00		.00	.00	.01	.02	.02	.025	20	.10
5*	.02	.02	.01	.02	.02	.01	.02	.02	.02	.02	.01	.01	.00			.01	.01	.01	.01	.01	.03	.06	.07	.08	.021	22	.10
6	.04	.05	.02	.01	.01	.03	.09	.10	.06	.03	.02	.01	.01	.01			.06	.02	.01	.00	.01	.03	.02	.03	.029	22	.12
7	.03	.02	.01	.00	.01	.02	.07	.08	.04	.04	.03	.02	.01	.02			.07	.02	.01	.01	.02	.04	.06	.03	.029	22	.11
8	.01	.01	.01	.01	.01	.03	.09	.10	.05	.02	.02	.02	.02	.02			.09	.02	.00	.00	.00	.01	.00	.00	.024	22	.12
9	.00	.00	.00	.00	.00	.01	.02	.03	.01	.01	.01	.01	.01	.01					.00	.00	.01	.02	.03	.03	.009	20	.03
10	.01	.01	.02	.00	.01	.02	.07	.10	.05	.05	.05	.05	.05	.05	.07	.11			.05	.03	.02	.02	.02	.03	.040	22	.15
11*	.02	.02	.01	.01	.01	.01	.02	.01	.02	.02	.03	.02	.01	.01	.02		.01	.02	.02	.02	.02	.02	.04	.12	.023	23	.17
12*	.13	.05	.02	.04	.08	.06		.02	.02	.02	.01	.01	.01	.00		.00	.00	.00	.00	.00	.01	.00	.01	.01	.023	22	.16
13	.00	.00	.00	.02	.01	.05	.13	.11	.08	.07	.06	.06	.05	.06			.12	.03	.04	.04	.04	.04	.04	.04	.049	22	.16
14	.03	.03	.02	.03	.02	.04	.09	.11	.08	.06	.05	.04	.04	.03			.06	.03	.02	.02	.02	.03	.06	.08	.044	22	.13
15	.04	.03	.03	.02	.02	.06	.12	.13						.03			.10	.06	.04	.01	.02	.00	.00	.00	.042	17	.15
16	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.01	.01	.01											.009	14	.03
17																											
18*		.02	.01	.00	.02	.04	.05	.05	.03	.02	.02	.03	.01	.01		.00	.00	.00	.00	.00	.00	.00	.00	.00	.014	22	.06
19*	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.01	.00	.00		.00	.00	.00	.00	.01	.01	.02	.01	.00	.004	23	.02
20	.00	.00	.00	.00	.00	.01	.03	.03	.02	.01	.01	.01	.00	.00			.01	.00		.00	.01	.01	.05	.05	.011	21	.06
21	.04	.02	.00	.00	.00	.02	.03	.03	.03	.01	.01	.01	.00	.00		.01	.01	.01	.00	.01	.01	.04	.07	.13	.021	23	.16
22	.07	.03	.06	.07	.05	.05	.10	.12	.09	.08	.08	.06	.04	.04		.06	.08	.03	.02	.01	.01	.04	.03	.03	.054	23	.19
23	.02	.02	.02	.01	.03	.05	.12	.11	.18	.15	.09	.03	.02	.04		.09	.08	.02	.00	.00	.00	.00	.00		.049	22	.19
24							.04	.05	.06	.04	.03	.03	.03			.04	.08	.04	.04	.03	.02	.07	.04	.03	.042	16	.10
25*	.02	.01	.01	.01	.01	.02	.05	.06	.05	.05	.03	.03	.07	.08			.01	.03	.03	.02	.06	.06	.05	.04	.037	22	.10
26*	.02	.03	.01	.02	.04	.03	.02	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.013	23	.04
27	.01	.00	.00	.00	.00	.01	.02	.03	.03	.04	.01	.00	.00	.01		.00	.01	.00	.00	.01	.02	.04	.05	.04	.014	23	.07
28	.04	.03	.01	.02	.01	.02	.04	.05	.01	.01						.00			.01	.00	.01	.01	.01	.00	.016	17	.08
29	.00			.00		.00	.02	.04	.01	.01	.01	.01	.01	.01			.02	.02	.01	.01	.02	.03	.08	.04	.018	18	.11
30	.04	.06	.05	.03	.02	.03	.03	.02	.01	.01	.01	.01	.01	.00		.00	.00	.00	.00	.01	.01	.02	.03	.02	.017	23	.07
31	.01	.01	.01	.01	.02	.03	.08	.09	.04	.02	.02	.02	.02	.02			.04	.02	.01	.01	.01	.01	.04	.06	.027	22	.11
MEAN	.02	.02	.01	.01	.02	.02	.05	.06	.04	.03	.03	.02	.02	.02	2	13	.04	.02	.01	.01	.02	.02	.03	.03	.026	582	
NO	24	25	25	26	25	27	27	28	27	26	25	25	25	25	.07	.11	24	24	25	27	27	27	27	26			
MAX	.13	.08	.06	.07	.08	.06	.13	.13	.18	.15	.09	.06	.07	.08			.12	.06	.05	.04	.06	.07	.08	.13	.054		.19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-18

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.03	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01			.01	.01	.01	.02	.02	.04	.04	.02	.013	22	.05
2*	.05	.04	.02	.02	.01	.01	.02	.01	.01	.01	.01	.01	.00	.00		.00	.01	.00	.00	.00	.01	.01	.03	.05	.014	23	.07
3	.06	.03	.03	.04	.03	.10	.20	.08	.02	.01	.01	.01	.00	.01			.01	.00	.00	.00	.02	.03	.05	.03	.034	22	.23
4	.04	.03	.00	.00	.00	.02	.04	.04	.01	.01	.01	.01	.01	.01			.03	.01				.01	.01	.02	.015	19	.05
5	.01	.00					.03	.02	.01	.00	.01	.01	.01	.01			.04	.01			.01	.01	.01	.01	.012	16	.05
6	.01	.01			.01	.02	.05	.04	.01	.01	.01	.01	.01	.01			.03	.00	.00		.01	.01		.01	.014	18	.07
7	.01	.00	.01	.01	.01	.02	.07	.07	.04	.02	.02	.02	.01	.01				.00	.00	.00	.00	.01	.03	.02	.017	21	.09
8*	.00						.03	.05	.02	.00	.00	.00	.00	.00							.01	.01	.03	.04	.015	13	.08
9*	.05				.01	.02	.02	.01	.00	.00	.01	.01	.01	.01		.00			.01	.01	.01	.02	.03	.02	.013	18	.08
10	.03	.01	.00	.00	.00	.02	.04	.03	.00	.00	.00	.00	.00	.00		.02	.04	.01	.01	.02	.03	.05	.03	.03	.016	23	.07
11	.04	.02	.00				.01	.01	.01	.01		.02	.01	.01		.01	.03	.02	.01	.00	.01	.02	.01		.013	18	.05
12																											
13		.00	.00	.00	.00	.01	.05	.06	.02	.01	.01	.00	.00	.00											.012	13	.07
14							.07	.09	.06			.00				.03	.05	.02	.02	.02	.02	.05	.07	.05	.042	13	.13
15*	.02					.01	.01	.01	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.02	.01		.01	.005	17	.04
16*																											
17							.05	.06	.03	.01	.00	.00	.00	.00			.03	.01			.00	.01	.03	.02	.016	14	.09
18	.01	.01	.00	.01	.02	.05	.10	.08	.05	.02	.02	.01	.01	.01		.03	.06	.02	.00	.00	.01	.06	.08	.03	.029	23	.12
19	.00	.00	.00	.00	.01	.05	.06	.08	.04	.01	.01	.00	.00	.00			.02	.01	.01	.00	.00	.06	.02	.01	.017	22	.12
20	.00	.00	.00	.00	.00	.01	.03	.06	.02	.01	.00	.00	.00				.03	.00	.00		.03	.01	.01	.01	.011	20	.08
21						.03	.08	.10	.02	.01	.01	.00	.00	.01		.01	.03	.00	.00	.02	.01	.02	.04	.03	.024	18	.14
22*	.00	.00				.00	.00	.00	.00	.00	.00	.01	.00	.00		.03	.02	.00	.02	.03	.05	.04	.05	.07	.015	20	.09
23*	.04	.02	.01	.00	.01	.00	.01	.00	.00	.00	.00	.01	.00	.00			.00	.01		.00	.01	.00	.01	.01	.005	21	.05
24	.00	.00			.00	.01	.05	.06	.05	.03	.03	.02	.00	.00		.04	.04	.01	.01	.05	.05	.01	.00	.00	.021	21	.08
25	.00	.00				.01	.01	.00			.00	.00	.01				.03	.01	.01	.01	.00	.00	.01		.006	15	.04
26							.01	.01	.01	.01	.00	.01	.01	.01		.01	.02	.00	.00	.00	.00	.00			.007	15	.02
27					.00	.00	.02	.03	.02	.01	.00	.01				.01	.01	.00	.00	.01	.03	.07	.08	.10	.022	17	.11
28	.08	.07	.05	.04	.04	.06	.07	.09	.07	.04	.02	.00	.00	.01			.06	.01	.00	.00	.00	.01	.01	.01	.033	22	.11
29*						.00	.00	.01	.00	.00	.01	.01	.00	.00			.00	.00					.00	.00	.003	13	.02
30*																											
MEAN	.02	.01			.01	.02	.04	.04	.02	.01	.01	.01	.00	.00			.02	.01	.01	.01	.01	.02	.03	.02	.017		
NO	20	18	13	12	16	21	27	27	26	25	25	27	25	23		11	23	24	20	19	24	25	23	23		497	
MAX	.08	.07	.05	.04	.04	.10	.20	.10	.07	.04	.03	.02	.01	.01		.04	.06	.02	.02	.05	.05	.07	.08	.10	.042		.23

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-19

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

ST. LOUIS, MO.

NITRIC OXIDE
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2	.00					.00	.02	.03	.01	.02	.01	.00	.00	.00		.00	.00	.00				.01	.00	.01	.006	16	.03
3	.00	.00	.00	.00	.01	.02	.03	.04	.02	.00	.00	.00	.00	.00		.00	.01					.01	.01	.02	.009	19	.05
4	.06	.11	.13	.12	.09	.09	.08	.05	.02					.00		.00				.01	.02	.09	.04	.04	.057	16	.17
5	.01	.03	.01	.01	.02	.05	.11	.12	.06	.01	.00	.00	.00	.00									.01	.01	.027	16	.14
6*	.01						.01	.01	.02	.03	.00	.00	.00	.00		.00					.00		.02	.02	.010	13	.06
7*																											
8																											
9						.01	.05	.08	.02	.02	.00	.00	.00	.00		.03	.04	.01	.00	.00					.017	14	.09
10																											
11	.00				.00	.03	.05	.04	.03	.03	.00	.00	.00	.00		.00	.01				.02	.02	.10	.09	.025	17	.13
12	.06	.16	.09	.05	.11	.11	.10	.07	.03	.01	.00	.00	.00				.05	.01	.00	.00	.00	.03	.02	.01	.043	21	.18
13*						.01	.02	.02	.01	.00	.00	.00	.00	.00					.01	.02	.04	.02	.02	.02	.013	15	.05
14*	.01	.01	.02	.01	.01	.01	.02	.02	.02	.03	.02	.01	.02	.03		.02	.01	.01	.01	.01		.01	.02	.00	.014	22	.04
15	.01	.02	.02		.01	.02	.07	.09	.06	.02	.02	.02	.00	.00			.21	.10	.03		.02	.02	.02	.01	.038	20	.28
16																											
17						.03	.07	.11	.03	.02	.02	.02	.00	.01			.05	.03	.03	.04			.04	.03	.033	15	.12
18																											
19						.00	.02	.06	.04	.04	.01	.00	.01	.01		.01	.02					.02	.06	.03	.023	14	.09
20*																											
21*		.02	.02	.02	.01	.02	.02	.04	.04	.02	.01	.01	.00	.00		.00									.016	14	.05
22																											
23		.01	.00		.00	.03	.08	.05	.05	.03	.01	.00	.01	.01			.04	.01	.01	.01	.01	.01	.05	.02	.021	20	.10
24		.00		.00	.01	.03	.07	.06	.05	.02	.01	.01	.00	.01			.05	.02	.01	.01	.01	.01	.02	.02	.020	20	.08
25	.01	.01	.01		.01	.03	.08	.14	.08	.05	.04	.03	.01	.00		.00		.00							.033	15	.17
26					.01	.02	.09	.09	.05	.04	.03	.01							.01	.01	.01	.01	.03	.03	.030	14	.11
27*																											
28*																											
29																											
30		.01	.00	.00	.00	.01	.05	.06	.05	.02	.03	.02	.01	.01			.06	.02	.01	.01		.01	.00	.00	.020	20	.08
31					.01	.03	.11	.09	.05	.03	.02	.01	.01	.01		.02	.03	.01	.01	.02	.01	.01	.02	.02	.026	19	.14
MEAN						.03	.06	.06	.04	.02	.01	.01	.00	.01									.03	.02			
NO.	10	11	10	8	14	19	20	20	20	19	19	19	18	18		11	13	11	11	11	10	14	17	17		340	
MAX.	.06	.16	.13	.12	.11	.11	.11	.14	.08	.05	.04	.03	.02	.03		.03	.21	.10	.03	.04	.04	.09	.10	.09	.057		.28

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-20

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2	.10	.14	.20	.14	.11	.20	.26	.08	.04	.03	.04		.02	.01		.03	.05	.01	.01		.01	.02	.04	.02	.073	21	.28
3*																											
4*																											
5																											
6																											
7	.01	.02	.00	.00	.01	.01	.10	.11	.03				.01	.01		.04	.04	.03	.01	.02	.01	.01	.04	.07	.028	20	.14
8	.04	.02	.02	.04	.04	.05	.08	.13	.07	.03	.03	.01	.00	.00		.06	.17	.13	.05	.07	.04	.05	.08	.05	.054	23	.24
9	.01	.01	.03	.06	.03	.03	.07	.07		.00	.00	.00	.00	.00		.00	.01	.00	.01	.01	.02	.02	.02	.01	.018	22	.09
10*																											
11*																											
12																											
13	.00			.00	.00								.01	.01		.02	.07	.01	.01	.01	.01	.03	.02	.02	.015	14	.09
14				.01	.01	.03	.07	.08	.05	.02	.02	.01	.01	.03		.02	.07	.03	.00		.00	.00	.01	.01	.025	19	.09
15	.01	.01	.00	.01	.00	.03	.06	.08	.06	.04	.04	.04	.04	.02		.05	.10	.06	.03	.05	.05	.03	.08	.06	.040	23	.13
16	.02	.02	.02	.03	.04	.05	.10	.12	.11	.09	.06	.04	.04	.04		.04	.05	.02	.00	.01					.046	19	.14
17*																											
18*																											
19																											
20																											
21																											
22																											
23																											
24*																											
25*																											
26																											
27		.00				.00	.05	.09								.01	.06	.01	.00	.01	.00	.03	.08	.02	.026	13	.12
28	.01	.00	.00	.00	.00	.01	.08	.12	.06	.01	.01	.00	.00	.00											.022	14	.14
29																											
30																											
31*		.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00			.01	.03	.02	.03	.03	.03	.04	.02	.010	21	.05
MEAN	8	9	8	10	10	10	10	10	8	8	8	7	10	10		9	10	10	10	8	9	9	9	9			
NO																										209	
MAX	.10	.14	.20	.14	.11	.20	.26	.13	.11	.09	.06	.04	.04	.04		.06	.17	.13	.05	.07	.05	.05	.08	.07	.073		.28

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-21

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
SEPT. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1*																											
2																											
3																											
4																											
5																											
6		.00	.00	.00	.00	.01	.02	.05	.03	.02	.01	.00	.00	.00			.05	.04	.03	.03	.03	.06	.06	.08	.025	21	.10
7*	.06	.06	.05	.03	.01	.01	.03	.03	.02	.01	.01	.01	.01	.01											.024	14	.07
8*									.00	.00	.00	.00	.00	.00		.00	.00	.03	.03	.02	.00	.00	.00	.00	.006	15	.04
9	.00	.00	.00	.00	.00	.00	.00	.02	.01	.01	.00	.00	.01	.01			.00	.00	.00	.00	.00	.00	.01	.01	.004	22	.02
10	.01	.01	.00	.00	.00	.00	.01	.02	.02	.01	.00	.00	.00	.00		.00	.01	.00	.00	.01	.00	.04	.06	.01	.009	23	.09
11	.00	.01	.00	.00	.02	.02	.08	.10	.05	.02	.01	.01	.01	.01		.01	.03	.00	.00	.01	.03	.07	.07	.05	.026	23	.11
12	.03	.02	.01	.02	.05	.07	.20	.17	.12	.03	.02	.02							.01	.02	.05	.10	.13	.13	.066	18	.29
13	.11	.12	.12	.14	.07	.12	.26	.25	.15	.07	.05	.01	.00	.00		.03	.07	.03	.02	.03	.03	.05	.06	.07	.080	23	.37
14*	.04	.05	.03	.06	.04	.10	.12	.03	.03	.00	.01	.01	.00	.00		.00	.01	.00	.01	.04	.05	.05	.07	.05	.034	23	.18
15*	.04	.02	.00	.00	.00	.01	.00	.00	.01	.01	.00	.01	.00	.00		.00	.00	.00	.00	.01	.00	.02	.00	.00	.005	23	.04
16	.00	.00	.00	.00	.00					.03	.02	.02	.01	.01			.08	.01	.01	.04	.02	.01	.03	.05	.018	18	.11
17	.00	.00	.00	.00	.00	.03	.07	.09	.04	.03	.03	.03	.02	.02		.07	.10	.03	.01	.00	.00	.00	.00	.00	.025	23	.12
18	.00	.00	.00	.00	.00	.01	.08	.11	.04	.01	.01	.00	.00	.00		.07	.09	.02	.00	.00	.00	.00	.00	.00	.018	23	.14
19	.00	.00	.00	.00	.00	.00	.02	.05	.06	.04	.04	.06				.10	.18	.09	.06	.05	.08	.07	.06	.08	.049	21	.23
20	.08	.13	.11	.13	.09	.08	.18	.21				.02	.00				.06	.02	.01	.01	.00			.01	.070	16	.28
21*																											
22*		.04	.03	.03	.04	.08	.11	.06	.03	.02	.02	.01	.00	.01		.01	.02	.02	.02	.01	.01	.05	.06	.04	.030	22	.15
23	.05	.02	.02	.02	.02	.04	.11	.17	.09	.05	.03	.01	.00		.02	.07	.08	.04	.05	.04	.02	.00	.02	.01	.042	23	.22
24	.00	.02	.03	.00	.00	.00	.02	.07	.06	.01	.01	.00	.01		.01	.03	.03	.04	.07	.07	.05	.07	.05	.02	.029	23	.09
25	.00	.00	.00	.00	.00	.01	.09	.23	.24	.25	.18	.07	.01	.01			.05	.03	.09	.07	.08	.09	.13	.09	.078	22	.27
26	.07	.06	.05	.02	.04	.07	.16	.16	.11	.04	.03	.02				.00	.01	.00	.00	.02	.01	.01	.01	.02	.042	21	.22
27	.02	.03	.08	.15	.16	.17	.23	.31	.15	.07	.00	.00	.00	.01		.00	.02	.01	.02	.07	.13	.18	.26	.11	.094	23	.38
28*	.06	.08	.12	.10	.07	.02	.02	.02	.03	.01	.00	.00	.00	.00		.00	.00	.00	.00	.02	.05	.05	.05	.04	.032	23	.13
29*	.02	.01	.01	.00	.01	.01	.03	.06	.02	.01	.01	.01	.00	.00		.00	.00	.00	.01	.01	.04	.07	.13	.13	.025	23	.16
30	.11	.16	.12	.08	.08	.07	.15	.31	.10	.03	.01	.01	.00		.01	.05	.09	.02	.06	.05	.04	.03	.03	.02	.070	23	.41
MEAN	.03	.04	.03	.03	.03	.04	.09	.11	.06	.03	.02	.01	.00	.01		.03	.04	.02	.02	.03	.03	.05	.06	.04	.038		
NO	21	23	23	23	23	22	22	22	22	23	23	24	21	17	3	17	22	22	23	23	23	22	22	23		509	
MAX	.11	.16	.12	.15	.16	.17	.26	.31	.24	.25	.18	.07	.02	.02	.02	.10	.18	.09	.09	.07	.13	.18	.26	.13	.094		.41

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-22

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.01	.01	.03	.00	.01	.04	.10	.16	.10	.08	.05	.01	.01			.05	.11	.04	.02	.01	.02	.01	.02	.02	.040	23	.19
2	.00	.00	.00	.00	.00	.01	.08	.13	.07	.05	.04	.02	.00	.00		.04	.05	.01	.01	.01	.01	.00	.00	.00	.022	23	.15
3	.00	.00	.00	.00	.00	.00	.03	.06	.04	.02	.01	.02		.00	.00	.01	.01	.01	.01	.01	.03	.03	.03	.02	.014	23	.06
4	.03	.05	.05	.03	.03	.05	.13	.19	.12	.05	.01	.01	.00			.01	.02	.03	.02	.06	.07	.08	.13	.11	.056	22	.20
5*	.08	.08	.06	.02	.01	.02	.01	.04	.05	.04	.02	.02	.00		.00	.00	.03	.02	.01	.02	.03	.03	.02	.03	.027	23	.10
6*	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01			.01	.00	.00	.00	.00	.00	.00	.00	.01	.002	22	.02
7	.02	.02	.04	.02	.04	.07	.14	.19	.14	.05	.02	.02	.00	.00		.00	.08	.03	.03	.01	.00	.00	.00	.00	.039	23	.22
8	.00	.00	.00	.00	.00	.01	.06	.11	.09	.06	.03	.02	.01	.01		.02	.06	.04	.02	.02	.00	.01	.01	.01	.026	23	.14
9	.01	.00	.00	.00	.00	.00	.04	.19		.09	.06	.05	.06	.05	.05	.03	.02	.02	.00	.00	.00	.00	.00	.00	.029	23	.24
10	.00	.00	.00	.00	.00	.00	.01	.06	.09	.07	.04	.06	.07	.02		.02	.04	.02	.02	.02	.02	.03	.03	.02	.027	23	.12
11	.02	.01	.00	.00	.01	.06	.13	.32	.13	.09	.03	.01	.00	.00		.01	.06	.05	.04	.03	.06	.07	.08	.04	.055	23	.36
12*	.03	.03	.01	.01	.01	.03	.08	.10	.08	.05	.03	.03	.01	.00		.00	.01	.01	.00	.05	.05	.05	.04	.05	.032	23	.10
13*	.03	.03	.01	.00	.00	.00	.00	.01			.03					.01	.01	.02	.05	.04	.04	.03	.00	.00	.016	16	.06
14	.00	.00	.00	.00	.01			.11	.15	.13	.07	.04	.04	.04		.02	.07	.01	.01	.00	.00				.038	16	.16
15											.01	.01	.01	.00		.04	.07	.02	.00	.00	.00	.00	.00	.00	.011	13	.10
16	.00	.00	.00	.00	.00	.00	.04	.06	.02	.01	.01	.02	.01	.01		.02	.04	.01	.01	.02	.01	.01	.01	.00	.012	23	.08
17	.00	.00	.00	.00	.00	.00	.04	.05	.03	.03	.02	.02				.01	.01	.01	.01	.00	.02	.03	.02	.02	.015	21	.05
18	.01	.01	.02	.02	.01	.02	.06	.09	.07	.04	.02	.01	.01	.01		.03	.04	.03	.06	.10	.11	.08	.06	.05	.040	23	.12
19*	.07	.08	.04	.02	.02	.03	.06	.07	.06	.02	.02					.01	.02	.03	.07	.16	.19	.24	.33	.35	.094	20	.38
20*	.25	.18	.15	.14	.12	.11	.10	.05	.01	.02	.01	.01	.01	.00		.00	.00	.01	.03	.08	.10	.27	.27	.25	.094	23	.33
21																											
22								.00	.00		.00	.00	.00	.00		.00	.01	.01	.01	.01	.01	.02	.05	.05	.011	15	.05
23																											
24																											
25	.00	.00	.00	.00	.00	.01	.05	.09	.08	.04	.02	.01	.00	.00			.01	.02		.03					.021	17	.09
26*	.10	.07	.07						.08	.08	.03	.00	.01	.00		.01	.04	.05	.06	.06	.03	.01	.03	.03	.042	18	.12
27*																											
28		.00	.00	.00	.00				.02	.02			.02	.02		.01	.01	.02	.01	.00	.00	.00	.00	.00	.007	17	.04
29	.00	.00	.01	.00	.01	.01	.01	.05	.05	.03	.01	.01	.01	.01		.03	.06	.13	.09	.05	.01	.00	.01	.02	.026	23	.17
30	.01	.00	.00	.00	.00	.00	.04	.12	.15	.06	.05	.02	.02	.02		.02	.09	.20	.04	.01	.00	.01	.01	.01	.038	23	.26
31	.02	.01	.00	.01	.01	.02	.05	.14	.10	.08	.06	.02	.01					.18	.11	.11	.03	.02	.02	.04	.052	20	.23
MEAN	.03	.02	.02	.01	.01	.02	.06	.10	.07	.05	.03	.02	.01	.01		.02	.04	.04	.03	.03	.03	.04	.05	.04	.034		
NO	24	25	25	24	24	22	22	24	24	24	26	24	23	19	3	25	26	27	26	27	26	25	25	25		565	
MAX	.25	.18	.15	.14	.12	.11	.14	.34	.15	.13	.07	.06	.07	.05	.05	.05	.11	.20	.11	.16	.19	.27	.33	.35	.094		.38

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-23

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.07	.03	.03	.01	.02	.01	.05	.14	.15	.09	.08			.10			.04	.06	.03	.05	.07	.05	.06	.05	.058	20	.19
2*																											
3*			.00	.00				.01	.00		.02	.02			.02	.02	.02	.01	.02	.01	.01	.01	.01	.01	.012	15	.03
4																											
5	.21	.17	.14	.07	.16	.19	.23	.26	.23	.15	.10	.03	.04	.07			.08	.12	.08	.05	.06	.06	.05	.05	.117	22	.32
6	.06	.03	.04	.02	.03	.03	.03	.08	.08	.06	.04	.05	.05	.04		.03	.04	.05	.03	.02	.01	.01	.00	.00	.034	23	.10
7	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.01	.02	.02					.03	.02	.03	.02	.02	.02	.02	.012	20	.04
8	.01	.00	.00	.00	.00	.00	.02	.06	.08	.05	.05	.02	.02	.02		.02	.03	.04	.02	.00	.00	.00	.00	.01	.019	23	.09
9*																											
10*																											
11		.00	.00	.00	.00	.00		.02	.04	.03							.05	.05	.03	.03	.03	.00	.00	.00	.018	16	.06
12	.00	.00	.00	.00	.00	.00	.00	.02	.05	.04	.04	.02	.01	.01		.02	.03	.07	.06	.04	.07	.15	.23	.14	.043	23	.28
13	.09	.09	.07	.04	.02	.04	.04	.09	.13	.05	.06	.03	.03	.03			.04	.06	.03	.02	.02	.01	.01	.01	.045	22	.17
14	.01	.01	.00	.00	.00	.00	.01	.04	.08	.07	.04	.04	.04						.11	.03	.04	.04	.03	.02	.032	19	.16
15																											
16*																											
17*																											
18		.00	.00	.00	.00	.01	.01	.03	.06	.05	.05	.04	.03	.02		.03	.04	.04	.03	.02	.01	.01	.01	.01	.022	22	.06
19	.01	.00	.00	.00	.00	.00	.00	.01	.03	.03	.02	.02	.02	.02		.02	.03	.04	.03	.01	.01	.01	.01	.01	.014	23	.04
20	.01	.01	.01	.01	.01	.00	.00	.02	.04	.04	.03	.03	.02	.02		.03	.03	.06	.06	.07	.07	.07	.05	.05	.032	23	.10
21	.07	.05	.05	.05	.03	.04	.06	.10	.13	.09	.08	.04	.02						.07	.06	.06	.09	.08	.02	.061	19	.14
22	.02	.01	.03	.04	.04	.04	.16	.27	.41	.24	.10	.05	.05	.04		.05	.10	.19	.10	.06	.09	.05	.05	.09	.098	23	.44
23*	.08	.06	.05	.04	.03	.03	.05	.09	.09	.06	.04	.02	.01			.01	.01	.00	.00	.00	.01	.01	.02	.03	.033	22	.10
24*	.02	.02	.01	.01	.00	.00	.01	.02	.02								.02	.03	.08	.10	.07	.04	.02	.01	.028	17	.13
25																											
26																											
27																	.01	.01	.01	.01	.01	.01	.01	.01	.023	15	.07
28		.04	.04	.05	.03	.05						.03	.02					.03	.03	.03	.05	.09	.12	.16	.036	18	.21
29	.01	.01	.00	.00	.00	.00			.03	.03			.03	.02		.03	.03	.04	.04	.03	.04	.03	.02	.03	.065	22	.22
30*	.13	.09	.08	.05	.09	.10	.11	.14	.18	.09	.05	.03	.03			.02	.03	.04	.04	.03	.04	.03	.02	.03			
MEAN	.05	.03	.03	.02	.02	.03	.05	.08	.10	.07	.05	.03	.03	11		11	.04	.05	.04	.03	.04	.04	.04	.04	.041	407	
NO	16	19	20	20	19	19	16	18	19	17	16	16	16	10		05	16	18	20	20	20	20	20	20			
MAX	.21	.17	.14	.07	.16	.19	.23	.27	.41	.24	.10	.05	.05	.10		.05	.10	.19	.11	.10	.09	.15	.23	.16	.117		.44

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

Table 3-24

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2		.03	.02	.02	.02									.09		.05	.09	.12	.05	.04	.06	.06	.05	.06	.054	14	.14
3	.09	.04	.01	.00	.01	.00	.00	.03	.05	.02	.04	.03	.03	.02		.02	.03	.03	.02	.01	.01	.00	.00	.00	.021	23	.11
4	.00	.00	.00	.00	.00	.01	.03	.07	.10	.12	.09	.10	.08	.08		.15	.24	.30	.05	.03	.01	.00	.00	.00	.062	23	.39
5	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.01	.00					.06	.06	.04	.02	.02	.02	.02	.016	20	.07
6	.02	.01	.01	.00	.01	.02	.06	.29	.31	.23	.13	.10	.09	.07			.14	.18	.09	.16	.15	.18	.15	.21	.118	22	.35
7*	.13	.12	.11	.21	.15	.01	.00	.01	.00	.01	.01	.01	.01	.01			.01	.02	.02	.01	.01	.01	.01	.01	.040	22	.31
8*	.01	.01	.02	.01	.01	.00	.01	.02	.01	.01	.02	.02	.02	.04		.05	.04	.07	.09	.09	.07	.06	.05	.06	.034	23	.11
9	.04	.01	.00	.00	.01	.02	.05	.13	.15	.11	.06	.06	.05	.04		.04	.11	.22	.08	.02	.02	.03	.02	.02	.055	23	.28
10	.01	.01	.00	.00	.01	.01	.05	.10	.22	.11	.09	.08	.08	.07		.08	.11	.21	.08	.23	.19	.10	.06	.04	.084	23	.28
11	.04	.04	.05	.05	.04	.08	.13	.16	.31	.15	.10	.07	.05	.05		.05	.08	.13	.06	.01	.00	.00	.00	.00	.071	23	.38
12	.00	.00	.00	.00	.00	.00	.00	.03	.06	.05	.04	.03	.03					.08	.03	.01	.01	.01	.00	.00	.018	20	.11
13	.00	.00	.00	.00	.00	.00	.01	.04	.04	.02	.02	.03	.02	.02		.02	.03	.02							.015	17	.06
14*																											
15*		.00	.00	.00	.00	.00	.00	.01	.01	.02	.03	.02	.01			.03			.03	.02	.01	.01	.02	.02	.013	19	.03
16		.07	.07	.06	.04	.14	.18	.28	.30	.18	.15	.14	.11	.09			.15	.26	.12	.11	.11	.06	.05	.07	.131	21	.33
17	.06	.04	.03	.02	.02	.01	.03	.12	.17	.08	.07	.07	.06	.06		.08	.10	.15	.06	.04	.02	.03	.02	.03	.059	23	.19
18	.04	.01	.02	.02	.03	.03	.06	.13	.15			.06	.06	.05		.06	.06	.10	.04	.03	.02	.02	.01	.00	.046	21	.20
19	.00	.00	.00	.00	.00	.00	.00	.01	.04	.03	.02	.01	.02	.02		.01	.02	.03	.03	.02	.01	.00	.01	.01	.012	23	.04
20	.01	.00	.00	.00	.00	.00	.01	.04	.06	.04	.02	.02	.01	.01		.01	.03	.07	.05	.04	.05	.03	.05	.06	.027	23	.10
21*	.06	.05	.02	.02	.02	.01	.02	.02	.03	.04	.04	.04	.04	.02		.03	.03	.02	.02	.02	.02	.01	.01	.02	.025	23	.07
22*	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.012	23	.02
23	.01	.01	.01	.01	.01	.01	.01	.01	.03	.03	.03	.03	.02	.02		.01	.01	.02	.01	.01	.01	.01	.01	.01	.015	23	.03
24	.01	.01	.00	.00	.00	.00	.01	.03	.06	.04	.04	.04	.03	.03		.02	.03	.03	.02	.02	.02	.02	.03	.03	.022	23	.06
25	.03	.00	.00	.00	.02	.01	.01	.01	.01	.00	.01	.01	.01	.01		.01	.01	.02	.03	.02	.02	.01	.01	.02	.012	23	.04
26	.02	.01	.00	.00	.00	.01	.02	.06	.09	.05	.03	.04					.04	.08	.05	.02	.01	.00	.00	.00	.025	20	.12
27	.00						.00	.02	.07	.04	.01	.03	.05	.08		.07	.07	.17	.07	.03	.06	.04	.00	.00	.046	18	.20
28*																											
29*		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.04	.03	.02	.01	.00	.01	.005	22	.05
30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.09			.01	.00	.01	.00	.00	.00	.00	.00	.006	22	.11
31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02		.01	.01	.01	.01	.01	.01	.01	.01	.01	.004	23	.02
MEAN	.02	.02	.01	.02	.02	.01	.02	.06	.09	.05	.04	.04	.03	.04		.04	.06	.09	.05	.04	.03	.03	.02	.03	.037		
NO	24	27	27	27	27	26	27	27	27	26	26	27	26	24		21	25	27	27	27	27	27	27	27		603	
MAX	.13	.12	.11	.21	.15	.14	.18	.29	.31	.23	.15	.14	.11	.09		.15	.24	.30	.12	.23	.19	.18	.15	.21	.131		.39

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-25

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

ST. LOUIS, MO.

NITROGEN DIOXIDE
JAN. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.03	.03	.03	.03	.03	.02	.02	.022	23	.03
2	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04			.03	.03	.03	.03	.02	.02	.02	.02	.026	22	.05
3	.02	.02	.02	.01	.01	.01	.01	.02	.01	.02	.02	.02	.02	.03			.03	.03	.04	.03	.03	.03	.03	.03	.022	22	.04
4	.03	.03	.02	.01	.02	.02	.03	.03	.03	.03	.03	.03	.03					.03	.03	.03	.03	.03	.03	.03	.027	20	.04
5	.03	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04			.04	.04	.04	.03	.03	.03	.03	.03	.029	22	.05
6*	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02			.03	.03	.03	.03	.02	.02	.02	.02	.025	22	.04
7*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02			.03	.03	.03	.03	.04	.04	.04	.04	.025	22	.04
8	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03			.03	.03	.03	.03	.03	.03	.03	.02	.030	22	.04
9	.02	.02	.02	.02	.03	.03	.03	.03	.02	.03	.03	.03	.03	.03			.01	.04	.03	.03	.03	.03	.03	.03	.027	22	.04
10	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03			.04	.05	.05	.04	.04	.04	.04	.04	.030	22	.05
11	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04			.05	.05	.05	.04	.04	.04	.04	.03	.037	22	.06
12	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04					.03	.03	.03	.02	.02	.02	.029	20	.04
13*	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02				.017	19	.03
14*																											
15		.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02			.03	.03	.03	.03	.02	.02	.02	.02	.019	21	.03
16	.02	.02	.02	.02	.02	.02	.01	.02	.02	.02	.01	.01	.03	.04			.02	.03	.04	.03	.03	.03	.02	.02	.023	22	.04
17	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.02	.03	.03	.03			.03	.03	.03	.02	.02	.01	.02	.02	.019	22	.04
18	.02	.02	.02	.02	.01	.01	.01	.02	.02	.01	.02	.03	.03	.03				.05	.03	.02	.02	.02	.02	.02	.022	21	.05
19	.02	.02	.01	.01	.01	.01	.01	.02	.02	.02	.03	.08	.08					.05	.04	.03	.03	.03	.03	.03	.029	20	.09
20*	.03	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02	.01	.01			.02	.02	.02	.02	.02	.02	.02	.02	.020	22	.03
21*	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02			.02	.03	.04	.04	.03	.02	.02	.02	.018	22	.04
22	.02	.02	.02	.02	.02	.02	.02	.01	.02	.02	.02		.18	.13			.04	.04	.03	.02	.02	.02	.02	.02	.035	21	.20
23	.01	.01	.01	.01	.01	.02	.02	.03	.03	.03	.03	.04	.04	.05			.03	.04	.04	.04	.04	.04	.04	.04	.029	22	.05
24	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04			.04	.04	.04	.03	.03	.03	.03	.03	.032	22	.04
25	.03	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03					.03	.03	.03	.03	.03	.03	.027	20	.03
26	.03	.03	.03	.03	.03	.02	.03	.03	.03	.03	.03	.04	.05	.05			.05	.05	.04	.04	.04	.04	.04	.04	.036	22	.06
27*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.03	.03			.03	.04	.04	.04	.03	.03	.03	.03	.031	22	.04
28*	.03	.03	.03	.03	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.023	22	.04
29	.02	.01	.02	.02	.02	.02	.02	.02	.03	.02	.02	.03	.04	.04			.04	.04	.02	.01	.01	.01	.01	.01	.022	22	.04
30	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03			.03	.03	.03	.02	.02	.02	.02	.02	.017	22	.03
31	.02	.02	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02			.01	.01	.01	.01	.01	.01	.01	.01	.015	22	.02
MEAN	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.04	.03			.03	.03	.03	.03	.03	.03	.03	.02	.025		
NO.	29	30	30	30	30	30	30	30	30	30	30	29	30	28	1	1	24	28	30	30	30	29	29	29		647	
MAX.	.04	.04	.04	.03	.04	.03	.03	.03	.03	.03	.03	.08	.18	.13	.02	.02	.05	.05	.05	.04	.04	.04	.04	.04	.037		.20

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

Table 3-26

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

ST. LOUIS.MO.

NITROGEN DIOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02			.02	.02	.01	.01	.01	.01	.01	.01	.013	22	.03
2	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03						.03	.03	.03	.03	.03	.03	.018	19	.03
3*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02			.02	.02	.02	.02	.02	.02	.02	.02	.022	23	.04
4*	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01			.01	.03	.03	.03	.03	.03	.03	.03	.017	22	.04
5	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03			.04	.04	.03	.03	.03	.03	.03	.02	.026	22	.04
6	.02	.02	.02	.02	.02	.02	.02	.03	.03	.06	.08	.07	.06	.05			.04	.04	.04	.03	.02	.02	.02	.01	.033	22	.09
7	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.02	.02			.03	.03	.03	.02	.02	.02	.02	.02	.018	22	.03
8	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03			.04	.04	.04	.03	.03	.03	.03	.03	.024	22	.05
9	.03	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01							.02	.02	.02	.02	.02	.02	.017	18	.03
10*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01			.02	.02	.02	.02	.02	.01	.01	.02	.014	22	.02
11*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02			.02	.02	.02	.03	.03	.02	.02	.03	.016	22	.03
12	.03	.03	.02	.02	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.01	.019	22	.03
13	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03			.03	.03	.02	.02	.02	.02	.02	.02	.017	22	.03
14	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03					.03	.02	.03	.02	.02	.02	.018	20	.03
15	.02	.02	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03					.03	.03	.02	.03	.03	.03	.022	20	.03
16	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03			.03	.04	.04	.04	.03	.02	.02	.02	.025	22	.04
17*	.01	.01	.01	.01	.01	.00	.01	.01	.01	.02	.02	.02	.02	.01			.02	.02	.02	.02	.02	.02	.03	.03	.016	22	.03
18*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.02	.03	.03	.03	.03	.03	.022	23	.03
19	.03	.03	.03	.03	.03	.03	.03	.02	.03	.02	.03	.03	.02	.03			.03	.04	.04	.04	.03	.03	.03	.02	.029	22	.04
20	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02			.02	.02	.03	.02	.02	.02	.02	.02	.017	22	.03
21	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.03				.03	.03	.03	.03	.03	.02	.03	.019	21	.03
22	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.03	.03	.03	.03	.03	.03	.03	.03	.024	22	.04
23	.03	.03	.02	.03	.03	.03	.03	.03	.03	.04	.04	.03	.03	.04			.04	.04	.04	.04	.04	.03	.03	.03	.033	22	.04
24*	.03	.03	.03	.04	.03	.03	.03	.03	.03	.04	.03	.03	.03	.02		.02	.03								.030	16	.04
25*																											
26		.04	.03	.02	.03	.02	.03	.03	.03	.03	.03	.03	.03	.04			.03	.03	.02	.01	.02	.02	.01	.01	.024	21	.04
27	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03					.03	.03	.03	.03	.03	.03	.021	20	.03
28	.03	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03			.03	.03	.03	.03	.03	.02	.02	.02	.022	22	.03
29	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02					.02	.02	.02	.02	.02	.02	.016	20	.02
MEAN	.02	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02			.03	.03	.03	.03	.02	.02	.02	.02	.021		
NO.	27	28	28	28	28	28	28	28	28	28	28	28	27	26		2	21	21	27	27	27	27	27	27		594	
MAX.	.03	.04	.03	.04	.03	.03	.03	.03	.03	.06	.08	.07	.06	.05		.02	.04	.04	.04	.04	.04	.03	.03	.03	.033		.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-27

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX
1	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04			.04	.04	.04	.03	.03	.03	.02	.02	.026	23	.04
2*	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01			.03	.03	.02	.02	.02	.02	.02	.02	.015	24	.03
3*	.02	.02	.02	.02	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01		.02	.02	.02	.03	.03	.03	.03	.04	.04	.020	23	.04
4	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04			.04	.05	.04	.04	.04	.04	.04	.04	.036	22	.05
5	.04	.02	.02	.02	.01	.01	.02	.03	.03	.03	.03	.03	.03	.02			.02	.02	.02	.02	.02	.02	.02	.02	.023	22	.04
6	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03			.03	.03	.03	.03	.02	.02	.02	.02	.018	22	.04
7	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.04	.04			.05	.05	.04	.05	.03	.04	.03	.03	.029	22	.06
8	.03	.03	.02	.02	.02	.02	.02	.03	.03	.02	.02	.03	.04							.03	.02	.02	.03	.03	.025	18	.04
9*	.03	.03	.03	.02	.02	.01	.02	.02	.03	.03	.03	.02	.02	.02			.04	.04	.05	.01	.01	.01	.01	.01	.022	22	.05
10*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01			.01	.02	.02	.02	.02	.02	.02	.02	.007	22	.02
11	.02	.02	.02	.01	.01	.01	.01	.01	.00	.00	.00	.01	.03	.03			.04	.04	.04	.03	.03	.03	.03	.03	.019	22	.04
12	.02	.02	.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.03	.02	.02	.02	.02	.02	.02	.02	.021	22	.03
13	.02	.01	.01	.01	.02	.02	.02	.02	.02	.04	.05	.04	.04	.04			.03	.03	.02	.02	.02	.01	.01	.01	.023	22	.06
14	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02					.02	.01	.01	.01	.01	.00	.00	.009	20	.02
15	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.03	.03			.02	.02	.01	.01	.00	.00	.00	.00	.008	22	.03
16*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00			.01	.02	.02	.01	.01	.01	.01	.01	.006	22	.02
17*	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01			.01	.01	.01	.01	.01	.01	.01	.01	.010	22	.02
18	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01			.03	.03	.03	.02	.01	.01	.01	.01	.012	22	.03
19	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.02			.02	.01	.01	.01	.02	.02	.01	.01	.008	22	.02
20	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01			.02	.02	.02	.02	.01	.02	.01	.01	.009	22	.02
21	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02					.03	.03	.03	.03	.03	.03	.03	.020	20	.03
22	.03	.02	.01	.02	.01	.02	.02	.03	.03	.03	.03	.03	.03	.03			.04	.04	.03	.03	.03	.03	.02	.02	.026	22	.04
23*	.02	.02	.02	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.01		.01	.01	.02	.02	.02	.03	.03	.03	.02	.018	23	.03
24*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01			.02	.02	.04	.04	.03	.03	.02	.02	.020	22	.04
25	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.05	.04	.04	.03				.03	.03	.02	.03	.03	.04	.028	21	.05
26	.03	.04	.03	.03	.02	.02	.03	.02	.03	.03	.03	.03	.03	.03			.04	.05	.02	.01	.01	.01	.01	.01	.025	22	.05
27	.01	.01	.01	.01	.00	.00	.01	.01	.02	.02	.02	.04	.05	.05			.04	.05	.04	.03	.02	.03	.03	.04	.024	22	.06
28	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02						.04	.03	.04	.03	.02	.02	.02	.028	19	.04
29	.01	.02	.02	.02	.01	.02	.02	.02	.03	.03	.03	.02	.01	.02			.04	.04	.04	.03	.03	.02	.02	.02	.025	22	.04
30*	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.02			.03	.03	.03	.03	.04	.03	.04	.04	.026	22	.04
31*	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03			.01		.02	.02	.03	.03	.03	.03	.029	21	.04
MEAN	.02	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	1	2	.03	.03	.03	.02	.02	.02	.02	.02	.020		
NO.	31	31	31	31	31	31	31	31	31	31	31	31	30	27			26	28	30	31	31	31	31	31		671	
MAX	.04	.04	.03	.03	.03	.03	.03	.03	.03	.04	.05	.05	.05	.05	.03	.02	.05	.05	.05	.05	.04	.04	.04	.04	.036		.06

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Table 3-28

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.03		.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.03	.04	.03	.03	.03	.03	.03	.03	.024	21	.04
2	.03	.03	.02	.01	.02	.02	.02	.02	.03	.03	.03	.03	.03	.04			.04	.04	.03	.04	.03	.02	.02	.03	.027	22	.04
3	.03	.02	.02	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.03	.02	.03	.03	.03	.04	.05	.023	22	.05
4	.04	.03	.03	.03	.03	.02	.01	.02	.02	.02	.02	.02	.02					.02	.02	.01	.01	.01	.01	.01	.021	20	.04
5	.01	.00	.00	.00	.00	.00	.01	.02	.03	.03	.03	.03	.03	.02			.03	.03	.03	.03	.03	.03	.03	.02	.019	22	.04
6*	.02	.03	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.02	.01			.02	.02	.02	.02	.02	.02	.01	.02	.018	22	.03
7*	.02	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01			.02	.01	.02	.03	.03				.012	19	.03
8		.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01			.02	.03	.03	.04	.03	.03	.03	.03	.022	21	.04
9	.03	.03	.02	.02	.01	.02	.02	.03	.03	.03	.03	.03	.03	.03			.02	.04	.04	.04	.04	.04	.04	.04	.029	22	.04
10	.04	.04	.04	.03	.03	.03	.03	.03	.04	.04	.03	.02	.02	.02			.03	.03	.03	.03	.03	.03	.03	.03	.030	22	.04
11	.02	.03	.02	.02	.02	.02	.02	.02	.02	.01	.01	.03	.03	.03					.03	.03	.03	.03	.03	.03	.024	20	.04
12	.03	.02	.02	.02	.01	.02	.03	.03	.03	.03	.03	.04	.03	.04			.04	.05	.03	.04	.04	.03	.04	.04	.031	22	.05
13*	.04	.03	.04	.03	.03	.03	.03	.04	.04	.05	.05	.04	.04	.03			.04	.03	.03	.02	.02	.02	.02	.02	.032	22	.05
14*	.02	.02	.02	.02	.02	.01	.02	.02	.02	.01	.01	.01	.01	.01			.01	.01	.01	.02	.02	.02	.02	.03	.016	22	.03
15	.03	.02	.02	.02	.02	.03	.04	.03	.03	.03	.03	.03	.03	.03			.03	.04	.03	.03	.02	.02	.02	.02	.027	22	.05
16	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03			.03	.04	.03	.02	.01	.02	.02	.02	.018	22	.04
17	.02	.01	.01	.01	.01	.00	.01	.02	.02	.02	.02	.03	.03	.03			.03	.05	.05	.04	.04	.03	.02	.02	.023	22	.06
18	.02	.02	.02	.01	.01	.02	.02	.02	.02	.02	.02	.02	.03	.02			.05	.06	.04	.04	.03	.03	.02	.02	.025	22	.06
19	.02	.02	.01	.01	.00	.01	.02	.02	.02	.02	.02	.02	.02	.03			.03	.04	.03	.03	.03	.03	.03	.03	.022	22	.04
20*	.02	.02	.02	.04	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02			.02	.02	.02	.02	.03	.04	.05	.05	.026	22	.05
21*	.05	.03	.03	.04	.04	.05	.04	.03	.04	.02	.03	.04	.03	.02			.05	.04	.04	.03	.05	.04	.03	.03	.037	22	.05
22	.03	.03	.02	.01	.02	.01	.01	.02	.01	.01	.02	.03	.04	.03			.06	.06	.04	.03	.03	.03	.03	.03	.025	22	.06
23																											
24																											
25																											
26																											
27*		.04	.03	.03	.03	.03	.03	.03	.03								.06	.05	.06	.07	.06	.05	.06	.06	.044	16	.07
28*	.05	.04	.04	.03	.03	.03	.03	.04	.03	.02	.02	.02	.02	.02			.04	.04	.05	.06	.06	.07	.07	.05	.039	22	.07
29	.07	.06	.03	.02	.03	.04	.04	.05	.06	.06	.03	.04	.03	.03			.04	.03	.02	.02					.038	18	.07
30																											
MEAN	.03	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02			.03	.03	.03	.03	.03	.03	.03	.03	.026		
NO	23	24	25	25	25	25	25	25	25	24	24	24	24	23			23	24	25	25	24	23	23	23		531	
MAX	.07	.06	.04	.04	.04	.05	.04	.05	.06	.06	.05	.04	.04	.04			.06	.06	.06	.07	.06	.07	.07	.06	.044		.07

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-29

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1		.04	.03	.02	.02	.03	.05	.05	.05	.04	.04	.04	.03	.03			.04	.03	.02	.05	.07	.06	.05	.03	.039	21	.08
2	.03	.02	.02	.02	.03	.03	.04	.07	.07	.07	.04	.05	.06	.06			.07	.05	.06	.08	.07	.07	.07	.06	.051	22	.10
3	.04	.03	.02	.02	.03	.04	.04	.05	.05	.03	.03	.03	.03	.03				.03	.03	.05	.04	.05	.06	.06	.037	21	.06
4*	.07	.08	.08	.08	.09	.09	.10	.11	.13	.10	.02	.02	.01	.01			.01	.01	.02	.03	.03	.03	.03	.03	.053	22	.13
5*	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.03	.03	.04	.05	.06	.06	.06	.029	22	.06
6	.05	.05	.04	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04	.05			.07	.06	.05	.04	.04	.04	.04	.05	.043	22	.07
7	.05	.04	.03	.02	.03	.03	.04	.03	.03	.03	.05	.05	.05	.05			.07	.06	.05	.04	.04	.06	.06	.06	.043	22	.07
8	.02	.03	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05	.05	.05			.06	.05	.05	.05	.04	.05	.05	.05	.046	22	.07
9	.04	.02	.01	.02	.02	.04	.04	.03	.03	.03	.03	.03	.03	.03					.02	.03	.03	.04	.04	.04	.029	20	.05
10	.03	.03	.03	.03	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03			.03	.03	.03	.03	.03	.03	.029	22	.04
11*	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.03	.04	.04		.05	.05	.04	.05	.04	.04	.05	.05	.038	23	.06
12*	.05	.04	.03	.04	.04	.04	.03	.03	.04	.05	.05	.04	.04	.03			.02	.03	.03	.04	.04	.03	.03	.03	.036	22	.06
13	.03	.03	.02	.03	.03	.04	.05	.05	.05	.04	.04	.04	.04	.04			.05	.04	.04	.03	.03	.02	.02	.02	.035	22	.06
14	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.05	.04			.04	.03	.02	.02	.02	.01	.05	.03	.028	22	.13
15	.03	.03	.02	.03	.02	.02	.03	.03						.04			.06	.05	.04	.02	.03	.02	.03	.02	.030	17	.06
16	.02	.02	.02	.02	.02	.03	.04	.03	.03	.03	.03	.03	.03	.03			.04	.03	.04	.05	.06	.07	.06	.05	.035	22	.07
17	.03	.02	.03	.03	.03	.05	.05	.06	.06	.06	.06	.05		.05			.05	.04	.04	.05	.08	.05	.05	.05	.045	21	.10
18*	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02			.03	.02	.03	.02	.02	.03	.03	.02	.028	22	.04
19*	.02	.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.02								—			.020	14	.03
20																											
21	.03	.03	.02	.02	.02	.02	.02	.03	.04	.03	.03	.03	.02	.03			.04	.04	.03	.05	.06	.06	.06	.06	.034	22	.07
22	.05	.04	.04	.04	.04	.03	.04	.04	.04	.04	.04	.04	.04	.04			.05	.04	.04	.03	.03	.04	.04	.03	.039	22	.05
23	.03	.04	.03	.03	.04	.03	.04	.04	.04	.05	.05	.05	.04	.04			.05	.04	.03	.03	.03	.03	.03	.03	.037	22	.07
24	.03	.03	.02	.03	.03	.03	.03	.04	.04	.04	.05	.05	.05												.036	13	.07
25*					.02	.03	.03	.03	.03	.04	.04	.05	.05	.05			.04	.04	.04	.04	.04	.04	.03	.03	.038	18	.06
26*	.03	.03	.03	.03	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03		.04	.03	.03	.03	.03	.03	.03	.03	.02	.029	23	.04
27	.02	.02	.02	.02	.02	.03	.04	.05	.05	.04	.04	.03	.03	.03			.04	.03	.02	.04	.04	.05	.05	.05	.034	22	.05
28	.05	.05	.04	.04	.04	.04	.04	.04	.04	.04	.03	.02	.02	.03		.03	.04	.04	.05	.03	.04	.04	.04	.04	.038	23	.08
29	.04	.04	.04	.04	.03	.03	.04	.04	.03	.03	.03	.03	.04	.03			.04	.03	.02	.03	.04	.05	.05	.05	.035	22	.05
30	.05	.05	.04	.04	.03	.03	.03	.03	.02	.02	.01	.01	.01	.01		.01	.01	.02	.03	.05	.04	.04	.05	.05	.029	23	.06
31	.04	.04	.03	.03	.05	.04	.04	.05	.04	.04	.05	.06	.06	.06		.08	.08	.06	.05	.06	.06	.06	.06	.06	.052	23	.09
MEAN	.04	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.03	.03			.04	.04	.03	.04	.04	.04	.04	.04	.037		
NO	28	29	29	29	30	30	30	30	29	29	29	29	28	29	2	5	25	26	28	28	28	28	28	28		634	
MAX	.07	.08	.08	.08	.09	.09	.10	.11	.13	.10	.06	.06	.06	.06	.04	.08	.08	.06	.06	.08	.07	.07	.07	.06	.053		.13

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-30

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.05	.05	.04	.03	.03	.03	.03	.03	.04	.03	.04	.03	.04	.03		.03	.03	.02	.03	.05	.05	.05	.04	.05	.037	23	.06
2*	.06	.05	.04	.04	.04	.03	.04	.04	.04	.04	.02	.02	.02	.02		.02	.04	.04	.06	.08	.08	.08	.08	.07	.044	23	.09
3	.06	.06	.05	.04	.04	.04	.06	.06	.05	.05	.03	.03	.02	.02			.06	.03	.03	.03	.05	.06	.05	.05	.043	22	.07
4	.05	.04	.03	.03	.02	.03	.03	.04	.03	.03	.03	.04	.03	.04			.06	.05	.04	.04	.03	.04	.04	.06	.037	22	.07
5	.06	.04	.04	.02	.02	.03	.04	.04	.03	.02	.05	.04	.06	.06			.07	.05	.04	.05	.05	.04	.03	.03	.041	22	.08
6	.04	.04	.03	.03	.03	.02	.03	.03	.03	.03	.05	.06	.05	.05			.06	.05	.04	.04	.05	.05	.04	.05	.040	22	.07
7	.04	.04	.04	.04	.03	.03	.05	.05	.05	.05	.07	.07	.05	.05				.04	.05	.06	.06	.05	.05	.05	.047	21	.07
8*	.03	.05	.05	.05	.04	.04	.05	.07	.07	.03	.02	.02	.02	.02			.04	.04	.04	.05	.07	.07	.06	.06	.045	22	.08
9*	.06	.05	.04	.03	.03	.03	.03	.03	.02	.01	.01	.02	.02	.02		.04	.03	.04	.04	.04	.04	.04	.04	.03	.031	23	.06
10	.03	.02	.02	.02	.02	.02	.02	.04	.04	.03	.03	.03	.04	.04			.07	.05	.03	.03	.03	.03	.03	.02	.031	22	.07
11	.02	.02	.02	.02	.01	.01	.02	.03	.03	.04	.05	.07	.04	.04			.06	.04	.04	.04	.05	.05	.05	.02	.034	22	.08
12	.02	.01	.02	.03	.03	.03	.02	.02	.02	.02	.02								.01	.01	.02	.02	.02	.03	.020	17	.03
13	.03	.02	.02	.01	.01	.01	.02	.03	.03	.02	.03	.02	.02	.02				.03	.02	.02	.02	.02	.01	.02	.020	21	.04
14	.00	.01	.00	.00	.00	.00	.02	.02	.03	.03	.03	.04					.05	.03	.03	.03	.02	.03	.02	.02	.020	20	.05
15*	.01	.00	.00	.00	.00	.01	.01	.02	.02	.02	.02	.03					.03	.02	.02	.02	.03	.02	.03	.03	.016	20	.03
16*	.02	.02			.01			.01	.02	.02	.02	.02	.03			.02	.02	.02	.02	.03	.04	.05	.04	.04	.025	18	.05
17	.04	.03	.03	.02	.02	.02	.03	.04	.04	.04	.03	.02	.02	.02		.02	.05	.04	.02	.02	.03	.04	.05	.04	.031	23	.07
18	.03	.03	.03	.03	.03	.02	.04	.04	.04	.04	.04	.03	.03	.03			.05	.04	.03	.03	.04	.04	.03	.02	.034	22	.06
19	.02	.02	.01	.01	.02	.03	.02	.03	.04	.06	.06	.04	.03	.02		.04	.08	.04	.04	.04	.03	.04	.03	.03	.033	23	.09
20	.02	.03	.03	.02	.01	.02	.02	.02	.03	.02	.03	.03	.01					.04	.03	.02	.05	.05	.04	.04	.027	20	.06
21	.02	.01	.00	.00	.01	.04	.04	.05	.05	.05	.04	.04	.04	.05			.05	.03	.03	.04	.04	.04	.03	.03	.032	22	.06
22*	.02	.01				.00	.00	.01	.01			.02	.00	.01			.04	.03	.04	.04	.04	.04	.03	.03	.022	17	.05
23*	.01	.01	.01	.01	.01	.01	.00	.00			.01	.02	.02	.01			.01	.01	.00	.01	.00	.00	.00		.008	19	.03
24								.01	.02	.02	.02	.02	.02	.03			.02	.01	.01	.01	.01	.01	.00	.00	.014	15	.04
25																											
26								.01	.00				.01	.01		.02	.02	.02	.02	.02	.02	.02	.02	.02	.015	13	.03
27	.01	.01	.00	.01	.01	.01	.02	.02	.02	.02	.02	.02					.02	.02	.01	.03	.03	.03	.03	.02	.017	20	.03
28	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.02			.03	.02	.01	.01	.01	.01	.02	.02	.014	22	.03
29*	.02	.02	.02	.02	.01	.02	.01	.01	.02	.02	.03	.03	.02	.02			.02	.02	.02	.02	.02	.02	.02	.01	.019	22	.03
30*	.01	.01	.00		.00			.00	.00	.00	.00									.02	.02	.02	.01	.01	.007	13	.02
MEAN	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03			.04	.03	.03	.03	.03	.04	.03	.03	.029		
NO	27	27	25	24	26	25	25	29	28	26	27	26	24	22		7	24	27	28	29	29	29	29	28		591	
MAX	.06	.06	.05	.05	.04	.04	.06	.07	.07	.06	.07	.07	.06	.06		.04	.08	.05	.06	.08	.08	.08	.08	.07	.047		.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-31

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.01				.01	.01	.02	.02	.02	.02	.04	.08	.07	.05			.05	.03	.01	.01	.02	.04	.05	.04	.032	16	.09
2	.03	.01	.00	.00	.01	.01	.01	.01	.01	.01	.02	.01	.01	.02		.03	.03	.01	.01	.01	.02	.02	.02	.02	.015	23	.04
3	.02	.01	.01	.01	.02	.02	.02	.02	.01	.01	.01	.02	.02	.02			.04	.02	.01	.01	.02	.03	.03	.04	.018	23	.04
4	.04	.04	.04	.04	.03	.02	.02	.04	.03	.01	.01	.00	.01	.01		.02	.03	.03	.04	.05	.06	.06	.05	.04	.030	23	.06
5	.03	.04	.04	.04	.04	.03	.04	.04	.04	.04	.03	.03	.02	.02				.00	.01	.01	.03	.04	.05	.05	.031	21	.05
6*	.04	.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.01	.02			.01	.02	.03	.02	.03	.02	.04	.03	.024	22	.04
7*	.03	.03	.02	.01	.01	.02	.02	.02	.04	.04	.02	.02	.01	.01			.02	.02	.03	.03	.03	.02	.03	.04	.023	22	.04
8	.02	.03	.03	.01	.01	.03	.03	.03	.04	.04	.04	.04	.03	.04		.06	.06	.03	.02	.02	.01	.01	.02	.01	.027	23	.08
9		.01	.00	.01	.01	.01	.01	.01	.01	.02	.02	.03	.01	.02		.07	.07	.04	.03		.12				.027	18	.13
10																											
11		.03	.03	.02	.02	.02	.02	.03	.05	.05	.02	.02	.02	.02		.04	.08	.05	.02	.04	.05	.06	.07	.06	.036	22	.10
12	.04	.06	.05	.04	.04	.05	.08	.07	.09	.06	.04	.02	.02				.06	.04	.04	.05	.04	.04	.03	.04	.046	21	.10
13*	.02	.02	.02	.01	.01	.01	.02	.02	.03	.03	.02	.02	.01				.03	.02	.03	.03	.03	.02	.02	.01	.020	21	.04
14*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.03	.03	.03			.02	.02	.02	.02	.01	.01	.01	.01	.019	22	.04
15	.01	.01	.02	.01	.01	.01	.01	.01	.02	.01	.02	.03	.05	.04		.04	.05	.04	.04	.02	.01	.01	.01	.02	.021	23	.07
16	.01	.01	.01	.01	.02	.01	.02	.02	.02	.03	.03	.03	.03	.04			.05	.04	.03	.02	.02	.03	.04	.03	.025	22	.05
17	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04			.04	.04	.04	.03	.02	.02	.03	.03	.026	22	.05
18	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.01	.01				.03	.01	.01	.01	.02	.03	.04	.05	.021	21	.06
19	.04	.03	.02	.02	.01	.02	.02	.03	.04	.04	.03	.03	.03	.04		.04	.05	.03	.03	.04	.04	.05	.04	.04	.033	23	.07
20*	.04	.03	.02	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.04		.04	.03	.04	.04	.04	.05	.05	.05	.06	.033	23	.06
21*	.04	.04	.04	.03	.02	.03	.03	.04	.05	.04	.03	.03	.03	.03		.02	.02								.031	16	.05
22																											
23		.03	.02	.01	.01	.02	.02	.03	.03	.03	.04	.04	.04	.04			.05	.04	.03	.04	.03	.03	.04	.04	.030	21	.05
24	.03	.03	.02	.03	.02	.03	.03	.04	.03	.04	.04	.03	.03	.03			.07	.06	.05	.05	.05	.04	.04	.04	.038	22	.08
25	.03	.03	.02	.02	.04	.04	.04	.05	.05	.04	.04	.04	.05	.04			.04	.04	.03	.04	.05	.04	.03	.02	.037	22	.06
26	.02	.02	.02	.02	.02	.02	.03	.03	.03	.02	.02	.02	.02						.06	.03	.03	.03	.02	.01	.024	19	.07
27*	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01			.01	.01	.01	.01	.01	.02	.03	.03	.014	22	.03
28*	.02	.02	.02	.01	.01	.01	.01	.02	.02	.03	.02	.03	.03	.02			.02	.02	.02	.02	.02	.02	.03	.03	.020	22	.04
29	.03	.03	.03	.03	.02	.03	.03	.03	.02	.03	.02	.02	.02	.02		.03	.04	.02	.02	.02	.03	.03	.03	.03	.027	23	.05
30	.02	.03	.02	.02	.01	.02	.03	.03	.04	.04	.04	.04	.03	.04		.04	.05	.04	.03	.03	.02	.02	.02	.02	.029	23	.05
31	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01		.04	.04	.01	.01	.01	.01	.01	.01	.01	.016	23	.05
MEAN	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.02	.03			.04	.03	.03	.03	.03	.03	.03	.03	.027		
NO	26	28	28	28	29	29	29	29	29	29	29	29	29	25		12	27	27	28	27	28	27	27	27		626	
MAX	.04	.06	.05	.04	.04	.05	.08	.07	.09	.06	.04	.08	.07	.05		.07	.08	.06	.06	.05	.12	.06	.07	.06	.046		.13

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-32

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX.
1	.01	.00	.00	.00	.00	.01	.01	.02	.03	.05	.04	.02	.01				.03	.03	.01	.02	.03	.03	.03	.03	.018	21	.05
2	.04	.04	.04	.03	.03	.03	.05	.13	.04	.02	.02	.02	.04	.03		.04	.04	.03	.03	.02	.02	.02	.02	.01	.033	23	.16
3*	.01	.01	.01	.01	.00	.01	.01	.01	.00	.02	.02	.03	.02	.02		.01	.02	.02	.01	.01	.01	.01	.00	.01	.012	23	.03
4*	.01	.01	.01	.01	.00	.00	.00	.00	.01	.01	.02	.01	.01	.01		.02	.02	.03	.03	.03	.03	.02	.01	.01	.014	23	.04
5	.01	.01	.01	.01	.01	.01	.01	.02	.03	.02	.02	.02	.02	.03		.03	.03	.02	.02	.11	.01	.00	.00	.00	.018	23	.17
6	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01	.01	.01	.02	.01		.04	.04	.02	.02	.02	.01	.01	.01	.01	.012	23	.06
7	.01	.01		.01	.00	.01	.01	.03	.05				.03	.04		.02	.02	.02	.01	.01	.01	.01	.01	.00	.016	19	.05
8	.00	.00	.00	.00	.00	.00		.00	.02	.03	.04	.04	.03	.04		.04	.06	.06	.06	.07	.04	.03	.02	.02	.027	22	.08
9	.01	.02	.02	.02	.01	.01	.01	.03	.04	.04	.04	.02	.02	.02		.02	.03	.02	.03	.04	.04	.04	.03	.03	.025	23	.05
10*	.03	.02	.02	.02	.02	.01	.01	.00	.00	.01	.01	.01	.01	.01		.01	.02	.01	.01	.01	.01	.01	.01	.01	.012	23	.03
11*																											
12																											
13																											
14		.03	.03	.03	.03	.02	.03	.03	.04	.04	.04	.04	.04	.05		.05	.06	.04	.03	.03	.03	.03	.04	.03	.035	22	.07
15	.02	.03	.02	.03	.02	.02	.03	.03	.03	.02	.03	.03	.03	.04		.04	.05	.04	.04	.04	.03	.03	.03	.02	.029	23	.05
16	.02	.02	.02	.02	.02	.02	.01	.01	.01	.02	.03	.03	.03	.03		.03	.03	.02	.01	.01	.00	.00	.00		.018	22	.04
17*							.00	.00	.00				.05		.07	.05	.04	.04	.05	.04	.04	.03	.03	.04	.034	14	.08
18*	.03	.02	.01	.01	.01	.01	.00	.01	.02	.02	.02	.02	.01		.04	.03	.05	.05	.02	.02	.02	.02	.02	.02	.021	23	.07
19	.03	.02	.02	.02	.03	.02	.02	.03	.02							.04	.03	.01	.01	.01	.01				.021	15	.04
20		.01	.01	.00			.01	.02	.01	.02	.02	.01	.01	.02			.05	.02			.01	.01			.014	15	.05
21																											
22																											
23																											
24*																											
25*		.04	.02	.01	.01	.02	.03	.02	.02	.02		.02	.02	.01			.02	.02	.03		.05	.05	.05	.05	.026	19	.05
26	.04		.03	.03	.03	.04			.06	.06	.05	.04		.02			.05	.05	.05	.05	.05	.05	.04	.04	.043	18	.06
27	.03	.03	.02	.02	.03	.03	.04	.03	.04	.04	.04	.04	.04	.04		.05	.06	.05	.05	.05	.04	.05	.05	.05	.039	23	.06
28	.05	.05	.05	.04	.04	.04	.05	.05	.05	.05	.05	.04	.04	.05		.06	.06	.05	.05	.05	.05	.05	.05	.04	.048	23	.08
29	.03	.03	.03		.04	.05	.05	.05	.05	.05	.06	.06	.04				.07	.05	.05	.06	.07	.06	.06	.07	.051	20	.08
30	.07	.05	.04	.04	.04	.05	.05	.06	.06	.06	.06	.05	.05	.05			.05	.04	.03	.02	.02	.02	.03	.03	.044	22	.07
31*	.03	.03	.02	.02	.02	.02	.02	.03	.02	.02	.02	.01	.01	.02			.03	.05	.05	.04	.04	.04	.04	.03	.028	22	.05
MEAN	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.03	.04	.03	.03	.03	.03	.03	.03	.03	.027		
NO	20	22	22	22	22	22	22	23	24	21	20	21	22	19	2	17	24	24	23	22	24	23	22	21		504	
MAX	.07	.05	.05	.04	.04	.05	.05	.13	.06	.06	.06	.06	.05	.05	.07	.06	.07	.06	.06	.11	.07	.06	.06	.07	.051		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-33

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS,MO.

CONCENTRATION IN PPM

COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.03	.03	.03	.02	.02	.03	.03	.02	.02	.02	.02	.02	.02	.02				.03	.03	.04	.04	.05	.05	.05	.030	21	.06
2	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.03	.02			.00	.00	.00	.00	.00	.00	.00	.00	.020	22	.05
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01											.001	14	.02
4																											
5																											
6		.03	.02	.00	.01	.02	.00	.02	.02	.02	.03	.01	.02	.02			.04	.03	.03	.02	.02	.02	.02	.02	.020	21	.06
7*	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01		.01	.01	.01	.01	.00	.00	.00	.00	.01	.010	23	.03
8*	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.02	.01		.02		.04	.03	.02	.03	.04	.02	.01	.013	22	.05
9	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.02	.01			.01	.01	.01	.01	.02	.01	.01	.02	.01	.011	22	.03
10	.01	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01			.02	.01	.02	.02	.02	.02	.01	.01	.011	22	.03
11	.01	.01	.01	.01	.01	.01	.01	.02	.03	.02	.02	.02	.02	.02		.03	.03	.02	.02	.02	.02	.02	.02	.02	.018	23	.03
12	.02	.02	.02	.02	.02	.02	.03	.07	.09	.05	.03	.03	.02	.01	.01					.03	.03	.04	.04	.04	.031	20	.11
13	.04	.04	.02	.03	.02	.02	.02	.04	.07	.09	.07	.04	.03	.02		.03	.04	.03	.03	.04	.03	.04	.04	.04	.037	23	.10
14*	.03	.03	.02	.04	.03	.02	.03	.10	.05	.04	.01	.01	.00	.00		.01	.01	.00	.03	.04	.04	.03	.03	.02	.027	23	.13
15*	.02				.03	.03	.02	.03	.02	.01	.01	.01	.01	.01					.05	.05	.05				.025	14	.06
16	.03						.04		.04	.04	.05	.03	.03	.02			.03	.02	.02	.02	.01	.01	.01	.01	.025	16	.05
17	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03			.03	.01	.01	.01	.01	.01	.01	.00	.011	22	.04
18	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.01	.01	.00	.00	.00	.00	.00	.00	.00	.001	23	.01
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.000	19	.02
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.04	.01	.00		.01	.01	.00	.00	.00					.004	19	.06
21*																											
22*		.00	.00	.00	.00	.00	.02		.01	.01	.01		.00						.01	.00	.00	.00	.00	.00	.003	16	.03
23	.00	.00	.00	.00		.00	.00	.01	.01	.01	.02	.01	.00			.01	.01	.01	.01	.00		.00	.00	.00	.005	20	.02
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.01	.01	.01	.01	.00	.00	.01	.00	.00	.002	23	.01
25	.00	.00	.00	.00	.00	.00	.00	.02	.04	.06	.08	.07	.02			.02	.03	.03	.03	.02	.02	.01	.01	.01	.021	22	.08
26	.01	.01	.00	.00	.00	.00	.00	.00	.02	.01	.01	.02				.02	.02	.02	.03	.03	.03	.02	.03	.01	.013	21	.06
27	.01	.02	.03	.03	.02	.02	.03	.11	.08	.07	.03	.06	.07	.07	.04	.04	.04	.04	.04	.05	.05	.04	.02	.01	.042	24	.17
28*	.01	.02	.01	.01	.01	.00	.00	.00	.02	.02	.02	.02	.01	.00		.04					.05	.04	.04	.04	.018	19	.05
29*																											
30		.04	.03	.02		.01	.00	.02	.04	.06	.03	.01	.00	.01		.02	.02	.01	.01	.00	.00	.00	.01	.01	.016	21	.07
MEAN	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02			.02	.02	.02	.02	.02	.02	.02	.01	.016		
NO	23	24	24	24	23	25	26	24	26	26	26	25	24	20	2	15	18	21	23	24	24	22	23	23		535	
MAX	.04	.04	.03	.04	.03	.03	.04	.11	.09	.09	.08	.07	.07	.07	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.042		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-34

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1	.01	.01	.01	.00	.01	.02	.02	.01	.02	.01	.02	.01	.01	.01		.01	.01	.01	.00	.00	.00	.00	.00	.00	.009	23	.03
2	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02	.02	.02	.01	.01		.03	.03	.02	.01	.01	.02	.00	.00	.00	.010	23	.04
3						.00	.01	.01	.02	.01	.01	.01				.02	.02	.02	.02	.02	.02	.02	.01	.01	.013	16	.03
4	.01	.01	.01	.01	.01	.01	.01			.02	.01	.01	.01	.01		.03	.03	.02	.02	.02	.02	.02	.02	.02	.016	21	.04
5*	.02	.02	.02	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01		.01	.02	.03	.03	.03	.03	.03	.02	.02	.03	.018	23	.04
6*	.02	.01	.00	.00	.00	.00	.01	.01	.01	.01	.00	.01	.01	.00		.01	.01	.02	.01	.01	.01	.01	.00	.01	.008	23	.03
7	.01	.01	.01	.01	.01	.00	.00	.01	.01	.02	.01	.01	.01	.01		.01	.02	.01	.01	.00	.00	.00	.00	.00	.007	23	.04
8																											
9										.00	.00	.01	.01	.01		.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	14	.01
10	.00					.00	.00	.00	.02	.02	.01	.03	.03	.04		.02	.02	.01	.01	.00	.00	.00	.00	.00	.011	19	.04
11	.00	.00	.00	.00	.00	.00	.02				.01	.01	.01	.01		.02	.03	.04	.04	.03	.03	.03	.02	.02	.015	20	.05
12*	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02		.02	.03	.02	.03	.02	.02	.02	.01	.01	.016	23	.03
13*	.01	.01	.01	.01	.00	.00	.01	.00	.01	.01	.01	.01	.01	.01		.01	.01	.01	.01	.00	.00	.00	.00	.00	.007	23	.02
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01		.01	.01	.00	.00	.00	.00	.00	.00	.00	.002	23	.01
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.02		.02	.02	.01	.01	.00	.00	.00	.00	.00	.006	23	.02
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.02		.02	.02	.01	.01	.00	.00	.00	.00	.00	.005	23	.03
17	.00			.00	.00	.00	.00	.00	.00	.00	.01	.01					.03	.02	.01	.01	.01	.01	.00	.00	.005	18	.03
18	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01	.02		.01	.01	.00	.01	.01	.01	.01	.00	.00	.004	23	.02
19*	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.00	.01	.01		.01	.02	.04	.05						.010	18	.06
20*	.03	.03	.03	.03	.03	.02			.01	.00	.01	.00		.01		.03	.02	.03	.04	.03	.04	.04	.04	.02	.024	20	.04
21	.02	.01	.01	.01		.00	.00	.00	.01	.00	.00	.00	.00	.01		.01	.01	.00	.00	.00	.00	.00	.00	.00	.004	22	.02
22	.00	.00										.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.011	15	.02
23	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.03							.02	.03	.03	.01	.03	.04	.019	18	.05
24	.03	.03	.03		.01	.01	.01	.01	.01	.01	.01	.01	.01	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.017	22	.05
25	.02	.02	.02	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01	.01		.01	.02	.03	.01	.02	.02	.02	.02	.02	.016	23	.04
26*																											
27*		.03	.04				.00	.00	.00	.01	.01	.01	.00	.00				.01	.01	.02	.01		.00	.00	.010	16	.04
28	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01			.02		.01	.01	.01	.01	.01	.01	.01	.01	.01	.006	21	.02
29	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01		.02	.02	.01	.01	.02	.02	.01	.01	.00	.011	23	.02
30	.00		.01	.01	.01				.01	.01	.02	.03	.03	.03		.04	.04	.04	.03	.02	.02	.02	.02	.02	.021	19	.05
31	.02	.02	.01	.01	.01	.01	.01	.02	.03	.03	.03	.03	.03					.03	.02	.03	.03	.04	.04	.04	.023	20	.04
MEAN	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01		.02	.02	.02	.02	.01	.01	.01	.01	.01	.011		
NO	26	24	24	23	23	25	25	23	25	27	28	28	24	24	2	25	26	28	29	28	28	27	28	28		598	
MAX	.03	.03	.04	.03	.03	.02	.02	.02	.03	.03	.03	.03	.03	.04	.01	.04	.04	.04	.05	.03	.04	.04	.04	.04	.024		.06

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-35

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS.MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	.04	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03	.03	.04	.03		.03	.03	.03	.03	.03	.03	.03	.03	.02	.031	23	.05
2*	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.04	.03	.03	.03			.03	.04	.03	.02	.02	.02	.01	.01	.023	22	.04
3*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01			.01	.01	.01	.01	.01	.01	.01	.01	.010	22	.02
4	.01	.01	.02	.01	.01	.01	.01	.00	.01	.01	.01	.02	.03	.03		.03	.03	.03	.03	.03	.03	.03	.04	.03	.020	23	.05
5	.04	.03	.03	.02	.03	.03	.03	.03	.03	.04	.05	.06	.07	.04		.03	.02	.03	.02	.02	.02	.02	.02	.02	.032	23	.09
6	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02		.01	.01	.01	.01	.01	.01	.01	.01	.01	.012	23	.02
7	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.01	.02	.02	.02	.01	.01	.01	.005	20	.04
8	.01	.01	.01	.00	.01	.01	.02	.02	.02	.02	.04	.03	.02	.02		.02	.03	.03	.02	.02	.02	.02	.02	.02	.018	23	.10
9*	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03		.04	.04	.02	.02	.02	.02	.02	.02	.02	.019	23	.06
10*	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02		.03				.04	.03	.03	.03	.03	.02	.02	.01	.023	20	.04
11	.02	.01	.02	.02	.02	.02	.02	.02	.03	.02	.03	.02	.02	.03			.02	.02	.02	.02	.02	.02	.01	.01	.020	22	.05
12	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.02	.02	.02	.03		.03	.03	.03	.04		.04			.04	.020	20	.05
13	.03	.03	.03	.03	.02	.02	.02	.02	.03	.04	.02	.02	.03	.02			.03	.03	.03	.	.02	.02	.02	.02	.025	22	.04
14	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02						.04	.0	.04	.05	.05	.05	.028	19	.05
15	.04	.03	.02	.02	.03	.02	.03	.03	.03	.03	.03	.02	.02	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.027	23	.05
16*	.03	.03	.03	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02			.03	.03	.02	.02	.02	.02	.02	.02	.023	22	.03
17*	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.03	.03	.02	.02			.02	.03	.03	.04	.02	.02	.02	.03	.023	22	.04
18	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.020	23	.03
19	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.03	.02	.02	.02	.02	.02	.018	23	.04
20	.02	.01	.01	.02	.01	.01	.01	.02	.02	.02	.02	.02	.01	.01		.03	.03	.03	.03	.03	.02	.03	.02	.02	.019	23	.03
21	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03					.04	.03	.03	.04	.04	.04	.026	20	.04
22	.04	.03	.03	.03	.03	.03	.04	.05	.05	.05	.04	.03	.03	.04		.05	.05	.05	.04	.04	.04	.04	.04	.04	.039	23	.06
23*	.04	.05	.04	.04	.04	.03	.04	.03	.03	.03	.03	.02	.02	.02		.03	.03	.02	.03	.02	.02	.02	.02	.02	.029	23	.05
24*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.02	.01		.02	.02	.02	.03	.02	.02	.01	.02	.06	.016	23	.08
25	.06	.02	.01	.00	.00	.00	.00	.00	.02	.02	.02	.01	.00	.00		.01	.02	.02	.01	.01	.01	.01	.01	.01	.012	23	.09
26	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01	.02	.02	.04											.012	14	.05
27																											
28		.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01		.03	.03	.02	.03	.02	.02	.02	.03	.02	.019	22	.03
29	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.01	.02		.02	.02	.02	.02	.02	.02	.03	.03	.03	.018	23	.04
30*	.02	.02	.02	.02	.03	.02	.02	.02	.03	.06	.03	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.022	23	.08
MEAN	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.03	.03	.03	.03	.02	.02	.02	.02	.02	.021		
NO	28	29	29	29	29	29	29	29	29	29	29	28	29	26		18	25	26	28	27	28	27	27	28		635	
MAX	.06	.05	.04	.04	.04	.03	.04	.05	.05	.06	.05	.06	.07	.04		.05	.05	.05	.04	.04	.04	.05	.05	.06	.039		.10

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-36

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.03	.03	.03	.03	.02	.03		.016	23	.03
2	.03	.03	.04	.04	.03	.03	.03	.04	.04	.03	.03	.03	.03	.03		.02	.03	.03	.02	.03	.03	.03	.03		.030	23	.04
3	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.02	.01	.02	.02	.02	.02		.021	23	.03
4	.01	.01	.01	.01	.01	.02	.03	.03	.03	.04	.04	.03	.03	.03		.04	.04	.04	.03	.03	.03	.03	.01		.025	23	.05
5	.01	.00	.00	.00	.00	.01	.01	.02	.03	.03	.03	.02	.03					.02	.02	.02	.02	.03	.01		.015	20	.03
6	.01	.01	.01	.00	.01	.01	.01	.02	.02	.02	.02	.02	.02	.03		.04	.05	.04	.04	.05	.04	.05	.04	.05	.026	23	.06
7*	.05	.04	.04	.05	.04	.02	.02	.02	.02	.02	.02	.02	.02	.01		.02	.02	.02	.02	.02	.02	.02	.02		.025	23	.07
8*	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.03		.03	.02	.03	.03	.03	.03	.02	.02	.03	.020	23	.03
9	.02	.02	.02	.02	.02	.02	.02	.03	.04	.03	.03	.03	.03	.03		.03	.04	.04	.02	.02	.02	.02	.02	.02	.025	23	.06
10	.02	.02	.01	.01	.01	.01	.02	.02	.03	.02	.03	.03	.03	.03		.03	.03	.04	.04	.06	.05	.04	.04	.03	.028	23	.06
11	.03	.03	.03	.04	.04	.05	.03	.03	.04	.04	.05	.05	.05	.05		.04	.04	.04	.04	.03	.03	.03	.03	.02	.037	23	.05
12	.02	.02	.01	.01	.02	.01	.02	.03	.03	.03	.02	.02	.02					.03	.03	.03	.04	.03	.01	.01	.021	20	.05
13	.00	.00	.00	.01	.00	.00	.01	.01	.01	.01	.02	.02	.01	.02		.02	.02	.03	.02	.02	.02	.01	.01	.02	.012	23	.03
14*	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.02	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.015	23	.02
15*	.02	.02	.02	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02		.02	.02	.02	.03	.03	.02	.02	.02	.02	.018	23	.05
16	.02	.02	.02	.02	.02	.04	.04	.04	.04	.04	.04	.04	.04	.03		.03	.04	.04	.03	.03	.03	.03	.03	.03	.032	23	.05
17	.02	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.03	.02		.02	.02	.02	.02	.020	22	.03
18	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01		.03	.02	.02		.01	.01	.02	.02	.02	.02	.01	.01	.00	.017	22	.03
19	.01	.00	.00	.00	.01	.01	.01	.01	.02	.01	.01	.01	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.014	23	.02
20	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.01	.02	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.017	23	.03
21*																											
22*																											
23																											
24	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.03		.02	.02	.03	.03	.02	.02	.02	.02	.02	.019	23	.03
25	.02	.02	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.015	23	.02
26	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.03				.03	.03	.03	.02	.00	.00	.00	.00	.016	21	.05
27	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.02	.03		.02	.02	.02	.01	.01	.01	.01	.01	.00	.009	23	.03
28*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01		.01	.03	.04	.04	.03	.02	.02	.02	.02	.010	23	.04
29*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01		.00	.00	.00	.03	.02	.02	.01	.01	.01	.008	23	.03
30	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02		.02	.02	.01	.02	.01	.01	.01	.00	.00	.005	23	.07
31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01		.01	.01	.01	.01	.02	.02	.01	.01	.01	.005	23	.03
MEAN	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02		.02	.02	.03	.02	.02	.02	.02	.02	.02	.019		
NO.	28	28	28	28	28	28	28	28	28	28	27	28	28	25		25	26	28	28	27	28	28	28	28		634	
MAX.	.05	.04	.04	.05	.04	.05	.04	.04	.04	.04	.05	.05	.05	.05		.04	.05	.04	.04	.06	.05	.05	.04	.05	.037		.07

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-37

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	.09		.04	.04	.05	.09	.13	.07	.17	.19	.14	.14	.06	.06	.06	.03	.03	.03	.04	.13	.09	.14	.06	.05	.083	23	.28
2	.05	.07	.09	.07	.09	.08	.11	.14	.15	.19	.24	.24	.17	.13	.12	.12	.10	.11	.11	.09	.08	.06	.05	.05	.111	24	.27
3	.04	.03	.03	.03	.03	.03	.04	.05	.05	.04	.04	.05	.04	.05	.06	.05	.06	.07	.05	.07	.05	.08	.07	.07	.049	24	.12
4	.06	.06	.03	.02	.03	.05	.06	.06	.05	.04	.03	.02		.02	.01	.02	.02	.04	.06	.05	.08	.09	.08	.11	.046	23	.14
5	.14	.07	.05	.04	.09	.03	.06	.14	.11	.08	.09	.15	.05	.04	.04	.04	.06	.06	.04	.04	.03	.03	.04	.03	.061	24	.23
6*	.07	.12	.11	.08	.16	.14	.15	.14	.13	.13	.09	.07	.05	.05	.04	.05	.04	.04	.04	.03	.03	.03	.04	.03	.077	24	.27
7*	.04	.04	.05	.04	.05	.05	.04	.05	.06	.06	.06	.07	.05	.05	.04	.04	.03	.04	.03	.08	.11	.18	.34	.18	.074	24	.42
8	.16	.09	.12	.09	.10	.07	.41	.19	.14	.15	.11	.20	.10	.13	.15	.11	.08	.07	.08	.07	.07	.14	.21	.09	.130	24	.81
9	.11	.07	.08	.09	.12	.12	.10	.10	.07	.05	.05	.06								.01	.01	.07	.11	.16	.080	17	.22
10	.12	.18	.09	.06	.14	.12	.16	.25	.13	.17	.20	.20	.15												.151	15	.32
11																	.04	.05	.06	.06	.04	.03	.01	.01	.061	19	.15
12		.08	.08	.10	.09	.06	.08	.08	.08	.07	.07	.06													.032	24	.07
13*	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.06	.05	.05	.05	.05	.05	.05	.022	24	.05
14*	.04	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.02	.02	.02	.02	.03	.04	.03	.03	.03	.03	.051	24	.20
15	.02	.02	.02	.02	.02	.02	.03	.04	.05	.05	.03	.03	.03	.03	.03	.04	.09	.10	.09	.09	.11	.16	.09	.05	.065	18	.28
16	.07	.10	.04	.05	.04	.05	.09	.15	.08	.09	.11	.05	.04	.03							.06	.04	.03	.04	.067	17	.21
17	.05	.06	.05	.08	.10	.09	.08	.07	.08	.14	.13	.11	.04								.03	.01	.01	.01	.050	24	.63
18	.01	.01	.01	.01	.01	.01	.02	.03	.03	.04	.05	.08	.09	.10	.08	.06	.07	.37	.08	.01	.02	.02	.01	.01	.095	24	.72
19	.02	.02	.01	.01	.01	.02	.03	.03	.05	.09	.10	.11	.11	.14	.19	.15	.11	.07	.04	.03	.07	.08	.36	.47	.045	24	.31
20*	.16	.05	.04	.07	.19	.15	.06	.03	.06	.10	.09	.05	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.095	18	.69
21*																									.026	24	.10
22						.41		.11	.14	.23	.34	.18	.04	.04	.04	.03	.03	.01	.02	.01	.02	.03	.02	.01	.028	24	.11
23	.01	.00	.00	.00	.00	.01	.01	.01	.01	.02	.03	.03	.02	.03	.04	.05	.03	.06	.06	.04	.03	.03	.03	.08	.025	20	.11
24	.07	.02	.01	.02	.01	.02	.06	.03	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.03	.02	.011	24	.03
25	.01	.05	.02	.02	.02	.01	.04	.03	.03	.04	.05	.05	.05					.02	.01	.01	.01	.01	.01	.01	.010	24	.04
26	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.016	24	.05
27*	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.009	20	.04
28*	.01	.02	.01	.00	.01	.00	.00	.00	.00	.01	.02	.03	.03	.03	.03	.04	.04	.02	.01	.02	.02	.02	.02	.02			
29	.02	.02	.02	.02	.01	.01	.01	.02					.00	.00	.01	.01	.01	.02	.01	.01	.00	.00	.00	.00			
30																											
31		.02	.01	.02	.02	.02	.03	.03	.02	.01	.02	.02	.02	.02	.03	.03	.02	.02	.03	.05	.04	.04	.03	.05	.025	23	.07
MEAN	.05	.05	.04	.04	.05	.06	.07	.07	.07	.08	.08	.08	.05	.05	.05	.04	.04	.05	.04	.04	.04	.05	.06	.06	.055		
NO	25	26	27	27	27	28	27	28	27	27	27	27	25	23	22	22	23	24	24	25	27	27	27	27		619	
MAX	.16	.18	.12	.10	.18	.41	.41	.25	.17	.23	.34	.24	.17	.14	.19	.15	.11	.37	.11	.13	.11	.18	.36	.47	.151		.81

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-38

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.05	.04	.06	.05	.04	.04	.06	.04	.05	.05	.04	.04	.02					.02	.01	.03	.03	.03	.03	.02	.036	20	.08
2	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02			.01	.01	.01	.01	.01	.01	.01	.01	.01	.017	22	.03
3*	.01	.01	.01	.01	.01	.02	.02	.02	.02	.05	.08	.09	.06	.04	.04	.02	.01	.01	.01	.01	.02	.06	.02	.04	.029	24	.13
4*	.04	.04	.03	.03	.03	.03	.05	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.02	.03	.03	.03	.02	.02	.025	24	.08
5	.02	.02	.03	.03	.03	.03	.09	.08	.14	.09	.03	.02	.00	.00	.01	.05	.02	.02	.02	.02	.09	.11	.04	.03	.041	24	.18
6	.05	.04	.05	.06	.06	.07	.09	.14	.11	.07	.10	.05	.02	.01						.00	.00	.00	.00	.00	.047	19	.16
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.001	24	.04
9	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.02
10*	.00	.00	.01	.01	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.05
11*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
12	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.003	24	.01
13	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.00	.00	.01	.01	.006	24	.01
14	.00	.00	.00	.00	.01	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.01
15	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00	.01	.01	.01	.01	.01	.00	.003	20	.02
16	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.005	24	.02
17*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
18*	.00	.00	.01	.00	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.03	.01	.02	.005	24	.08
19	.12	.35	.06	.29	.04	.15	.05	.03	.12	.15	.21	.10	.02	.04	.12	.09	.01	.01	.00	.01	.04	.02	.00	.00	.084	24	.72
20	.00	.00	.00	.00	.03	.05	.04	.02	.02	.01	.01	.00	.01	.01	.00	.00	.00	.00	.03	.02	.03	.00	.02	.01	.013	24	.14
21	.01	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00										.01	.01	.03	.03	.008	15	.06
22	.01	.06	.01	.02	.03	.04	.03	.03	.24	.30	.07	.01	.02	.01	.00	.00	.00	.00	.01	.01	.01	.02	.04	.03	.041	24	.49
23	.02	.02	.02	.03	.02	.04	.04	.07	.06	.06	.02	.00	.00	.00	.00	.00	.00	.00	.00	.03	.10	.03	.06	.08	.029	24	.15
24*	.08	.08	.06	.03	.03	.05	.06	.06	.08	.09	.03	.01	.00	.00	.00	.00	.00	.00	.01	.02	.03	.06	.23	.17	.048	24	.35
25*	.14	.07	.02	.02	.03	.04	.08	.08	.13	.17	.04	.04	.02	.01	.04	.02	.00	.00	.02	.05	.05	.05	.20	.24	.064	24	.77
26	.14	.19	.02	.02	.13	.07	.10	.05	.05	.04	.06	.03	.04	.04	.04	.02	.02	.00	.00	.00	.00	.00	.01	.01	.043	24	.41
27	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.03	.03	.03	.02	.008	24	.06
28	.03	.01	.01	.01	.00	.00	.07	.03	.01	.01	.01	.01	.00	.00	.00	.00	.01	.02	.07	.05	.04	.11	.02	.01	.020	24	.32
29	.07	.41	.10	.09	.02	.01	.0	.01	.00	.00	.00	.02				.00	.00	.00	.00	.00	.01	.01	.01	.01	.037	21	.58
MEAN	.03	.05	.02	.02	.02	.02	.03	.03	.04	.04	.03	.02	.01	.01	.01	.01	.00	.00	.01	.01	.02	.02	.03	.03	.021		
NO	29	29	29	29	29	29	29	29	29	29	29	28	27	24	23	25	25	27	27	28	29	29	29	29		669	
MAX	.14	.41	.10	.29	.13	.13	.10	.14	.24	.30	.21	.10	.06	.04	.12	.09	.02	.02	.07	.05	.10	.11	.23	.24	.084		.77

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-39

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

ST. LOUIS, MO.

SULFUR DIOXIDE
MARCH 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.01		.02	.01	.04	.02	.03	.06	.07	.06	.08	.13	.09	.12	.14	.00	.00	.00	.02	.03	.02	.01	.01	.01	.042	23	.24
2*	.02	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.03	.05	.06	.02	.011	24	.13
3*	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.03	.02	.009	24	.04
4	.01	.02	.02	.02	.02	.02	.02	.02	.01	.01	.00	.00	.00	.00	.01	.01	.00	.01	.01	.01	.01	.02	.01	.01	.011	24	.04
5	.01	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.00	.00							.00	.00	.00	.00	.00	.004	18	.03
6	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01	.01	.03	.12	.09	.06	.02	.02	.16	.13	.03	.02	.02	.05	.01	.034	24	.39
7	.02	.01	.02	.01	.04	.02	.01	.02	.01	.01	.01	.02	.02	.01	.00	.01	.00	.02	.06	.11	.12	.26	.03	.04	.037	24	.78
8	.05	.04	.03	.03	.01	.01	.01	.01	.01	.00	.02	.03	.07	.05	.09	.06	.01	.00	.00	.00	.00	.00	.00	.00	.021	24	.13
9*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.001	24	.03
10*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.01	.001	24	.04
11	.01	.00	.01	.00	.00	.06	.03	.01	.00	.00	.00	.00	.00	.02	.06	.03	.12	.24	.05	.01	.01	.01	.01	.01	.028	24	.52
12	.05	.01	.06	.09	.08	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.022	24	.21
13	.01	.01	.01	.01	.01	.01	.02	.03	.02	.03	.05	.02	.02	.02	.03	.03	.04	.03	.02	.01	.01	.01	.01	.01	.019	24	.10
14	.01	.01	.01	.03	.01	.01	.01	.01	.01	.01	.01	.01				.01	.01	.01	.01	.01	.01	.01	.01	.03	.011	21	.11
15	.01	.02	.03	.01	.01	.02	.01	.02	.07	.03	.02	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.017	24	.09
16*	.02	.01	.01	.01	.01	.02	.03	.02	.02	.08	.09	.10	.22	.10	.03	.06	.02	.02	.03	.01	.01	.01	.01	.01	.040	24	.37
17*	.01	.04	.01	.03	.04	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.013	24	.09
18	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.02	.01	.02	.02	.02	.02	.01	.03	.01	.02	.01	.01	.01	.01	.013	24	.07
19	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.01	.02	.01	.02	.01	.02	.02	.01	.01	.01	.01	.01	.016	24	.03
20	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.02	.01	.01	.011	24	.02
21	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01				.01	.01	.01	.01	.01	.01	.01	.01	.01	.010	21	.02
22	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.00	.00	.00	.008	24	.01
23*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
24*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01	.03	.01	.00	.003	24	.05
25	.00	.00	.00	.00	.00	.01	.00	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.00	.00	.00	.00	.02	.00	.01	.007	24	.12
26	.01	.01	.01	.02	.01	.02	.01	.02	.02	.01	.00	.00	.01	.01	.01	.01		.00	.00	.00	.03	.01	.00	.00	.010	23	.07
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.001	24	.02
28	.01	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	20	.01
29	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.01	.00	.002	24	.03
30*	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02	.01	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.003	24	.07
31*	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.04
MEAN	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01	.02	.02	.01	.01	.02	.01	.01	.013	726	
NO	31	30	31	31	31	31	31	31	31	31	31	30	28	27	27	30	29	30	30	31	31	31	31	31			
MAX	.05	.04	.06	.09	.08	.06	.03	.06	.07	.08	.09	.13	.22	.12	.14	.06	.12	.24	.13	.11	.12	.26	.06	.04	.042		.78

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-40

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00		.00	.00	.00	.01	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.05	.00	.01	.20	.018	23	.42
2	.08	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.02	.09	.07	.04	.01	.01	.01	.017	24	.30
3	.01	.05	.03	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.02	.04	.01	.03	.02	.02	.02	.03	.04	.13	.10	.028	24	.22
4	.02	.07	.08	.03	.03	.02	.01	.02	.02	.02	.02	.02				.00	.00	.00	.00	.00	.00	.00	.00	.00	.017	21	.15
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.05	.01	.01	.00	.00	.004	24	.17
6*	.01	.20	.33	.14	.01	.37	.51	.15	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.072	24	.95
7*	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.02	.00	.00	.01	.00	.01	.01	.00	.00	.00	.00	.00	.003	24	.11
8	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.03
9	.00	.00	.00	.00	.00	.04	.06	.11	.13	.02	.01	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.06	.01	.04	.022	24	.46
10	.01	.00	.11	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.02	.02	.05	.011	24	.21
11	.01	.07	.07	.06	.00	.00	.00	.00	.00	.01	.02	.05					.05	.05	.13	.04	.21	.17	.08	.02	.051	20	.26
12	.00	.00	.00	.00	.00	.00	.04	.01	.06	.09	.05	.02	.00	.01	.03	.09	.08	.03	.00	.02	.15	.03	.00	.02	.029	24	.25
13*	.02	.04	.02	.01	.00	.01	.00	.01	.04	.05	.01	.04	.05	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.012	24	.13
14*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.02
15	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01	.00	.01	.00	.00	.00	.01	.03	.08	.01	.01	.00	.00	.03	.009	24	.14
16	.03	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01									.02	.01	.00	.01	.00	.006	16	.05
17	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.001	24	.04
18	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00	.004	24	.03
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.01	.01	.07	.00	.005	24	.12
20*	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.02
21*	.00	.00	.00	.00	.02	.03	.02	.02	.02	.02	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.01	.00	.006	24	.04
22																											
23																											
24		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00										.002	14	.04
25																											
26																											
27*																											
28*																											
29																											
30				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.000	16	.02
MEAN	.01	.02	.03	.01	.00	.02	.03	.02	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.02	.01	.03	.02	.02	.02	.014		
NO	21	21	22	23	23	23	23	23	23	23	23	22	20	20	20	20	21	21	21	21	21	21	21	21		518	
MAX	.08	.20	.33	.14	.03	.37	.51	.15	.13	.09	.05	.05	.05	.02	.04	.09	.08	.05	.13	.07	.21	.17	.13	.20	.072		.95

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-41

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS,MO.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1					.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	.01	.00	.001	20	.04
2	.00	.00	.00	.00	.00	.00	.01	.14	.02	.00								.01	.01	.01	.01	.01	.01	.01	.012	17	.16
3	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01					.01	.01	.01	.01	.01	.01	.01	.01	.010	20	.02
4*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.014	24	.02
5*		.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.02	.09	.07		.024	20	.21
6	.03	.03	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.03	.13	.018	23	.18
7	.14	.16	.04	.01	.01	.02	.01	.03	.02	.02	.03	.02	.02	.02	.02	.02	.01	.02	.01	.01	.02	.02	.01	.02	.029	24	.21
8	.01	.01	.01	.02	.02	.02	.02	.02	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03	.02	.02	.01	.02	.01	.02	.017	24	.04
9	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02						.02	.02	.03	.03	.04	.03	.03	.022	19	.04
10	.03	.04	.04	.04	.03	.03	.02	.03	.03	.03	.03	.02	.01	.01	.01	.02	.05	.03							.027	18	.07
11*																											
12*		.00	.00	.00	.00	.00	.00	.00	.02	.09	.04	.03	.02	.02	.01	.00	.00	.00	.00	.00					.011	19	.12
13				.08		.06	.08	.04	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.02	.01	.01	.017	20	.30
14	.00	.00	.00	.00	.01	.00	.01	.03	.01	.01	.01							.01	.00	.00	.00	.00	.03	.01	.007	18	.17
15	.00	.01	.00	.01	.01	.00	.01	.01		.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	23	.03
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.15
17	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.01	.01	.00	.01	.00	.00	.00	.00	.00	.01	.002	22	.03
18*	.02	.00	.00							.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	18	.02
19*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.11
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.000	18	.01
22																											
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01				.00	.00	.01	.00	.02	.03	.02	.01	.004	21	.04
24	.01	.02	.01	.02	.01	.01	.02	.02	.02	.02	.02	.01	.00	.01	.01	.01	.03	.05	.04	.00	.02	.03	.02	.01	.016	24	.08
25*	.00	.00	.00	.00	.00	.02	.02	.02							.02	.01	.01	.00	.00	.00	.00	.02	.01	.01	.008	18	.07
26*	.00	.00	.00	.02	.05	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.004	24	.08
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.02	.01	.002	24	.05
28	.02	.00	.00	.00	.00	.00	.01	.00				.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.02	.01	.009	21	.06
29	.01	.05	.05	.03	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01	.012	24	.09
30	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.01	.01	.12	.012	24	.23
31	.04	.05	.02	.07	.10	.02	.05	.05	.03	.03	.02	.02	.03	.03	.02			.05	.03	.02	.01	.01	.01	.02	.033	22	.20
MEAN	.01	.02	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.011		
NO.	25	27	27	26	26	28	28	28	25	26	24	26	24	23	24	23	25	29	27	27	26	26	26	25		621	
MAX.	.14	.16	.05	.08	.10	.06	.08	.11	.03	.09	.04	.03	.03	.03	.02	.02	.05	.05	.04	.03	.03	.09	.07	.13	.033		.30

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-42

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS,MO.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1*	.03		.02	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.007	23	.05
2*	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.01	.02	.01	.01	.02	.04	.03	.01	.00	.00	.007	24	.11
3	.00	.02	.03	.02	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00										.007	15	.04
4												.02	.01	.01	.04	.01	.01	.00	.00	.00	.00	.01	.01	.19	.022	13	.26
5	.17	.04	.01	.03	.02	.01	.07	.05	.05	.03	.03	.06	.04	.02	.02	.02	.02	.01	.01	.01	.03	.01	.01	.03	.033	24	.31
6	.04	.02	.03	.02	.02	.01	.01	.02	.02	.01	.02								.00	.01	.01	.01	.02	.04	.017	17	.09
7	.02	.02	.02	.02	.00	.00	.02	.07	.12	.04	.03					.04	.04	.02	.02	.02	.01	.00	.01	.01	.025	20	.24
8*	.00	.04	.04	.02	.03	.02	.02	.11	.21	.07	.04	.04	.04	.03	.03	.01	.02	.01	.00	.02	.01	.03	.02	.03	.037	24	.28
9*	.34	.07	.02	.03	.02	.03	.08	.04	.02	.01	.01	.02	.02	.01	.01	.03	.01	.02	.01	.00	.00	.00	.00	.03	.034	24	.52
10	.11	.03	.01	.00	.01	.01	.02	.02	.02	.02	.02	.01	.01	.02	.02	.03	.02	.00	.00	.00	.00	.01	.00	.00	.016	24	.14
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.00
12	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
13	.01	.00	.01	.00	.00	.00	.00	.03	.00	.00	.02	.02	.01					.00	.00	.00	.00	.00	.02	.09	.011	20	.16
14	.00	.01	.00	.02	.00	.03	.00	.05	.01	.00	.01	.02	.01	.00	.00	.00	.00	.00				.01	.00	.01	.007	21	.10
15*																											
16*		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
17	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.004	24	.17
18	.02	.01	.03	.01	.00	.00	.00	.00	.00	.02	.03	.01	.00	.02	.01	.01	.02	.01	.00	.00	.00	.01	.04	.02	.011	24	.08
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01						.02	.01	.02	.02	.01	.09	.00	.01	.010	17	.25
20	.01	.01	.01	.01	.02	.01	.00	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.02	.07	.05	.012	24	.09
21	.01	.01	.00	.00	.01	.00	.01	.03	.01	.01	.01	.01	.01	.01	.00	.00	.00			.01	.01	.01	.01	.01	.007	22	.06
22*	.01	.00	.01	.01	.01	.01	.00	.00	.01	.01	.01	.00	.00	.00	.02	.05	.01	.00	.00	.00	.01	.02	.03	.07	.011	24	.14
23*	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.04	.01	.00	.00	.00	.00	.00	.00	.00	.00	.003	24	.17
24	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.01	.00	.01	.03	.01	.04	.03	.007	22	.17
25	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.004	19	.01
26		.01	.00	.00	.00	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.01	.01	.02	.00	.006	23	.17
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.02	.008	24	.05
28	.10	.02	.02	.02	.03	.02	.01	.04	.04	.03	.02	.02	.02				.01	.01	.00	.00	.02	.05	.04	.03	.025	21	.14
29*	.04	.04	.03	.03	.04	.03	.04	.03	.04	.04	.02	.01	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.017	24	.06
30*	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.02	.03	.01	.01	.04	.008	24	.07
MEAN	.04	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.03	.012		
NO.	26	27	28	28	28	28	28	28	28	28	28	26	25	23	24	24	26	26	26	26	26	27	27	27		638	
MAX	.34	.07	.04	.03	.04	.03	.08	.11	.21	.07	.04	.06	.04	.03	.04	.05	.04	.02	.02	.04	.03	.09	.07	.19	.037		.52

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-43

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

ST. LOUIS,MO.

SULFUR DIOXIDE
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN. MAX.
1	.01		.00	.00	.01	.01	.01	.01	.01	.02	.05	.05	.03	.03	.03	.02	.02	.01	.01	.01	.01	.01	.03	.04	.018	23	.09
2	.01	.01	.00	.01	.03	.02	.01	.01	.02	.01	.01	.00	.00	.01	.00	.01	.02	.00	.00	.01	.00	.00	.02	.02	.010	24	.17
3	.00	.00	.01	.02	.03	.04	.04	.03	.02	.01	.02	.01	.02	.03	.03	.02	.02	.01	.01	.01	.02	.02	.03	.05	.020	24	.07
4	.03	.03	.02	.06	.05	.01	.02	.15	.07	.02	.04	.05	.04	.04	.04	.03	.04	.02	.02	.01	.02	.01	.04	.01	.036	24	.26
5	.03	.13	.05	.02	.04	.08	.07	.03	.02	.01	.01	.01	.01					.00	.00	.00	.00	.00	.01	.01	.026	20	.19
6*	.00	.00	.00	.00	.00	.03	.06	.02	.11	.13	.03	.01	.00	.01	.00	.01	.00	.03	.03	.01	.04	.01	.01	.04	.024	24	.27
7*	.30	.02	.00	.00	.00	.01	.00	.02	.03	.01	.01	.00	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00	.04	.01	.019	24	.46
8	.00	.02	.01	.00	.00	.00	.03	.03	.03	.01	.02	.02	.00	.00	.01	.09	.04	.01			.00				.016	19	.25
9				.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.06	.07	.00	.00	.04	.08	.01	.10	.20	.09	.032	21	.34
10	.00	.00	.00	.00	.01	.01	.01	.01	.02	.03	.03	.01	.02	.03	.01	.00	.00	.01			.03	.08	.07	.05	.020	22	.10
11	.03	.01	.04	.01	.02	.04	.04	.03	.03	.07	.00	.01	.00	.01			.05	.03	.01	.00	.00	.00	.00	.00	.019	22	.14
12	.00	.00	.00	.01	.00	.03	.03	.07	.12	.06	.02	.01	.02	.02	.01	.03	.03	.00	.00	.04	.23	.04	.01	.02	.033	24	.50
13*	.03	.02	.00	.00	.00	.01	.01	.02	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.005	24	.06
14*	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.01	.00	.00	.00	.00	.01							.00	.00	.003	18	.03
15	.03	.05	.03	.00	.00	.02	.00	.02	.03	.00	.00	.00	.02	.03	.01	.01	.07	.06	.07	.03	.01	.00	.02	.00	.021	24	.26
16	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.02	.02	.02	.00	.00	.04	.03	.00	.007	24	.08
17	.00	.00	.00	.00	.00	.00	.00	.02	.00	.01	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.01	.003	24	.03
18	.00	.00	.00	.00	.00	.00	.00	.00	.00			.01	.01	.01	.00	.01	.01	.01	.02	.01	.01	.02	.02	.02	.008	22	.03
19	.02	.03	.03	.03	.03	.03	.03	.05	.09	.10	.04	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.03	.03	.033	24	.12
20*	.03	.02	.02	.02	.02	.02	.02	.04	.04	.03	.02	.03	.03	.03	.03	.03	.03	.04	.03	.02	.02	.02	.03	.03	.027	24	.07
21*	.02	.02	.03	.05	.03	.03	.01	.05	.05	.04	.04	.03	.04	.04	.04	.03	.03	.03	.02	.03	.03	.02	.03	.02	.031	24	.10
22	.03	.03	.02	.02	.01	.02	.02	.03	.03	.02	.01	.02	.02	.02	.03	.02	.02	.02	.02	.02	.03	.02	.03	.02	.022	24	.05
23	.02	.02	.02	.02	.02	.03	.04	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02	.022	24	.05
24	.02	.02	.02	.02	.03	.02	.02	.02	.03	.02									.02	.01	.01	.01	.00	.01	.017	16	.03
25	.01	.02	.02	.01	.01	.00	.01	.05	.05	.02	.01	.01				.01	.01			.01	.01	.01			.014	17	.12
26	.00	.01	.02	.01	.01	.02	.02	.03	.02	.01	.01	.02	.02	.03	.01	.01	.01	.02	.02	.01	.01	.01	.01	.02	.014	24	.07
27*	.03	.06	.07	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.016	24	.11
28*	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.012	24	.02
29	.02	.04	.03	.03	.03	.02	.03	.03	.02	.02	.02	.02	.02	.03	.03	.02	.02	.01	.01	.03	.01	.02	.02	.01	.022	24	.08
30	.04	.41	.05	.05	.03	.05	.05	.10			.06	.04	.05	.05	.05	.07	.08	.06	.08	.05	.04	.03	.02	.01	.065	22	.91
31	.02	.02	.03	.05	.04	.03	.04	.03	.03	.03	.02	.02	.03	.03	.02	.04	.03	.02	.04	.04	.04	.03	.03	.02	.029	24	.06
MEAN	.02	.03	.02	.01	.01	.02	.02	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.021		
NO	30	29	30	31	31	31	31	31	30	29	29	30	29	28	27	28	28	28	27	28	30	29	29	29		702	
MAX	.30	.41	.07	.06	.05	.08	.07	.15	.12	.13	.06	.05	.05	.05	.06	.09	.08	.06	.08	.08	.23	.10	.20	.09	.065		.91

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-44

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX
1	.02	.02	.02	.03	.02	.02	.02	.03	.08	.04	.05	.03	.02			.02	.02	.02	.02	.03	.03	.03	.02	.03	.027	22	.12
2	.03	.03	.03	.02	.03	.04	.11	.24	.11	.07	.05	.14	.11	.07	.04	.03	.03	.03	.04	.02	.03	.02	.02	.04	.056	24	.48
3*	.03	.02	.05	.09	.17	.03	.04	.03	.02	.03	.03	.04	.05	.06	.06	.06	.05	.04	.02	.03	.10	.05	.02	.04	.047	24	.53
4*	.05	.03	.06	.08	.06	.02	.02	.02	.02	.02	.02	.02	.01	.02	.05	.05	.04	.05	.02	.01	.03	.03	.02	.03	.033	24	.12
5	.02	.01	.02	.08	.09	.06	.08	.06	.03	.02	.02	.02	.03	.06	.06	.07	.03	.06	.05	.04	.08	.07	.06	.22	.055	24	.29
6	.19	.07	.09	.11	.23	.11	.12	.06	.04	.03	.03	.02	.02	.01	.04	.06	.07	.09	.03	.03	.01	.02	.07	.06	.067	24	.36
7	.02	.06	.04	.02	.03	.02	.02	.08				.02	.04	.15	.03	.02	.03	.10	.05	.12	.03	.06	.05	.16	.054	21	.32
8	.10	.12	.09	.04	.03	.04	.06	.07		.16	.13	.18	.14	.11	.07	.09	.09	.27	.12	.09	.08	.33	.24	.05	.117	23	.80
9	.02										.04	.04	.04	.03	.03	.03	.02	.02	.03	.01	.03	.04	.02	.02	.026	19	.09
10*	.03	.09	.07	.04	.04	.02	.02	.02	.02	.05	.02	.02				.02	.02	.02	.01	.01	.01	.01	.00	.01	.025	21	.17
11*	.02	.02	.01	.01	.02	.01	.02	.02		.02	.03	.04	.04	.03	.03	.04	.03	.04	.02	.03	.03	.11	.09	.09	.033	23	.17
12	.06	.05	.03	.04	.04	.04	.06	.10	.16	.08	.05	.04	.04	.06	.12	.11	.11	.11	.09	.06	.07	.07	.05	.04	.069	24	.24
13	.05	.07	.12	.09	.08	.10	.12	.14	.15	.17	.10	.09	.11	.10	.07	.06	.04	.04	.03	.02	.02	.03	.04	.03	.078	24	.24
14	.03	.03	.04	.05	.07	.09		.10	.08	.11	.09	.06	.08	.07	.06	.06	.05	.04	.04	.03	.03	.03	.04	.05	.058	23	.15
15	.04	.04	.04	.03	.04	.05	.05	.05	.06	.06	.06	.06	.07	.05	.07	.07	.07	.05	.10	.14	.10	.10	.06	.05	.062	24	.18
16	.03	.04	.05	.04	.06	.07	.05			.16	.13			.12	.12	.12	.12	.12	.11	.10	.10	.09	.09	.09	.092	20	.22
17*	.08	.08	.08	.07	.07	.06	.06	.06	.06	.06	.06	.04			.04	.04	.05	.05	.06	.06	.07	.07	.07	.08	.062	22	.09
18*	.08	.08	.08	.08	.08	.08	.08	.08	.07	.06	.05	.05	.05	.05	.07	.08	.08	.08	.08	.09	.09	.09	.09	.09	.075	24	.10
19	.09	.09	.09	.09	.09	.09	.09	.08		.07	.06	.06	.06	.06	.06	.09	.10	.10	.10	.10	.10	.10	.10	.10	.085	23	.12
20	.10	.10	.09	.07	.07	.08	.07	.03	.05	.06	.07	.05			.03	.02	.02	.02	.02	.03	.04	.04	.05	.05	.052	22	.10
21	.06	.06	.06	.07	.07	.07	.07	.08	.08				.01	.01	.01	.02	.02	.00	.00	.01	.01	.00	.00	.00	.034	21	.09
22	.01	.00	.01	.01	.02	.03	.03	.02	.01	.01									.03	.12	.10	.11	.04	.01	.034	16	.20
23	.00	.00	.00	.00	.00	.00	.02	.05	.01	.00			.04		.01	.03	.02	.02	.01	.01	.02	.01	.01	.01	.012	21	.12
24*																											
25*																											
26		.00	.00	.03	.01	.00	.00	.00	.00	.00	.00	.00					.01	.00	.00	.01	.01	.00	.00	.00	.004	19	.04
27	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.01		.00	.01	.01	.00	.02	.00	.00	.01	.02	.003	23	.07
28	.00	.00	.01	.01	.01	.02	.02	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.02	.05	.03	.04	.02	.013	24	.06
29	.01	.02	.02	.02	.02	.02	.03	.03	.04	.05	.14	.07	.02	.02	.01	.01	.01	.01	.01	.04	.04	.02	.02	.03	.029	24	.17
30	.09	.07	.13	.09	.07	.14	.17	.15	.10	.14	.12	.05	.03	.03	.03	.03	.02	.05	.01	.01	.01	.01	.01	.01	.065	24	.26
31*	.02	.02	.01	.03	.02	.02	.03	.04	.01	.01	.01	.01	.01	.01	.00	.01	.02	.02	.02	.02	.02	.02	.03	.03	.017	24	.05
MEAN	.05	.04	.05	.05	.05	.05	.05	.06	.05	.06	.05	.05	.04	.05	.05	.05	.04	.05	.04	.04	.05	.05	.05	.05	.049		
NO	28	28	28	28	28	28	27	27	23	26	25	25	23	22	24	27	28	28	29	29	29	29	29	29		647	
MAX	.19	.12	.13	.11	.23	.14	.17	.24	.16	.17	.14	.18	.14	.15	.12	.12	.12	.27	.12	.14	.10	.33	.24	.22	.117		.80

* Indicates Saturday or Sunday,
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-45

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.02	.02	.01	.02	.02	.01	.01	.02	.02	.01	.03	.02	.02	.02	.02	.03	.01	.01	.01	.01	.02	.02	.02	.01	.016	24	.08
2	.02											.02	.02	.02	.02	.02	.03	.02	.02	.01	.01	.01	.01	.00	.017	14	.07
3	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.09	.05	.08	.06	.18	.10	.05	.02	.04	.03	.04	.09	.06	.040	24	.28
4	.02	.03	.04	.02	.03	.03	.02	.04	.04	.04	.03	.03	.04	.04	.02	.06	.07	.01	.00	.01	.00	.00	.01	.00	.026	24	.16
5	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01	.01		.00	.01	.01	.01	.01	.01	.00	.00	.01	.01	.00	.005	23	.03
6	.00	.00	.01	.01	.02	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.01	.011	24	.06
7*	.01	.02	.03	.01	.02	.02	.01	.17	.11	.06	.09	.07	.05	.02	.02	.03	.02	.12	.01	.01	.05	.01	.01	.01	.040	24	.33
8*	.01	.01	.00	.00	.01	.01	.04	.02	.02	.02	.02	.01	.01	.03	.05	.03	.01	.01	.02	.01	.01	.04	.01	.00	.016	24	.13
9	.01	.01	.01	.01	.01	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.004	24	.02
10	.00	.02	.01	.00	.00	.00	.01	.00	.00	.01	.00	.01								.01	.01	.04	.03	.02	.010	17	.05
11	.03	.04	.04	.07	.04	.04	.04	.04	.03	.02	.03	.06	.06	.04	.04	.03	.02	.02	.01	.01	.02	.06	.05	.05	.037	24	.09
12	.06	.04	.04	.06	.06	.06	.07	.11	.12	.09	.08	.09	.02	.01	.01	.01	.01	.01	.01	.02	.03		.03		.047	22	.14
13		.03	.02	.01	.02									.05	.02	.01	.02	.02	.01	.51	.05	.04	.01	.04	.057	15	.89
14*	.01	.00	.00	.01	.00	.00	.04	.12	.24	.17	.04	.03	.03	.00	.01	.00	.00	.00	.02	.22	.46	.25	.68	.08	.099	24	1.33
15*	.03	.01	.01	.02	.07	.15	.09	.15	.11	.04	.02	.01	.01	.03	.01	.05	.01	.00	.02	.02	.03	.18	.05	.14	.052	24	.42
16	.03	.22	.11	.13	.06	.07	.25	.23	.13	.12	.22	.16	.18	.11	.20	.13	.04	.13	.29	.23	.10	.19	.19	.24	.156	24	.41
17	.07	.21	.12	.03	.05	.04	.07	.08	.04	.06	.06	.03	.03	.06	.03	.07	.02	.01	.01	.01	.01	.01	.01	.00	.046	24	.37
18	.01	.01	.01	.00	.02	.02	.02	.03	.01	.01	.01	.01	.01	.01	.02	.04	.03	.03	.01	.05	.01	.10	.07	.02	.023	24	.18
19	.02	.04	.13	.09	.00	.00	.05	.02	.12	.03	.05	.07	.03		.03	.05	.11	.05	.08	.04	.06	.09	.04	.06	.055	23	.19
20	.05	.02	.02	.02	.02	.01	.03	.06	.10	.11	.12	.22	.09	.13	.07	.07	.13	.17	.03	.02	.02	.02	.02	.07	.067	24	.33
21*	.04	.01	.02	.02	.01	.01	.03	.02	.03	.02	.06	.03	.02	.03	.02	.02	.02	.03	.02	.04	.02	.02	.10	.04	.028	24	.18
22*	.03	.03	.01	.01	.04	.04	.04	.03	.06	.08	.10	.03	.06	.05	.04	.06	.08	.04	.02	.02	.01	.00	.00	.00	.036	24	.15
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.05	.06	.07	.06	.03	.05	.03	.01	.09	.02	.022	24	.19
24	.02	.02	.02	.02	.03	.01	.01	.00	.01	.00	.01	.00	.01	.00	.00	.02	.00	.00			.00		.00		.009	20	.18
25		.04					.00	.00	.00	.02	.03	.06	.03	.00	.00	.02	.02	.02	.03	.02	.03	.07	.08	.07	.028	19	.18
26	.05	.04	.04	.02	.03	.07	.08	.05	.04	.02	.03	.02	.03	.02	.02	.02	.02	.01	.02	.02	.01	.02	.02	.01	.029	24	.09
27	.06	.07	.04	.03	.03	.03	.03	.04	.14	.09	.08	.05			.05	.03	.02	.02	.03	.03	.03	.04	.04	.10	.049	22	.31
28*	.22	.05	.05	.03	.02	.02	.02	.02	.03	.05	.10	.09	.06	.06	.06	.07	.11	.07	.03	.05	.02	.03	.03	.06	.055	24	.49
29*	.05	.03	.04	.04	.07		.11	.15	.14	.15	.19	.15	.11	.11	.05	.04	.01	.01	.01	.01	.01	.01	.01	.01	.065	23	.25
30	.01	.01	.01	.01	.01	.01	.02	.03	.02	.02	.01		.01	.01	.02	.04	.02	.02	.03	.03	.04	.04	.07	.03	.022	23	.17
MEAN	.03	.03	.03	.02	.02	.03	.04	.05	.06	.05	.05	.05	.04	.04	.03	.04	.04	.03	.03	.05	.04	.05	.06	.04	.039		
NO.	28	29	28	28	28	26	28	28	28	28	28	28	26	27	29	29	29	29	28	29	30	28	30	28		677	
MAX	.22	.22	.13	.13	.07	.15	.25	.23	.24	.17	.22	.22	.18	.13	.20	.18	.13	.17	.29	.51	.46	.25	.68	.24	.156		1.33

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROCESS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-46

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

ST. LOUIS, MO.

SULFUR DIOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.02	.09	.06	.09	.04	.04	.03	.05	.01	.01	.05	.03	.03	.02	.03	.04	.04	.05	.03	.01	.03	.04	.09	.01	.043	24	.23
2	.01	.01	.01	.01	.01	.01	.04	.02	.02	.02	.03	.01	.01	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00	.00	.010	24	.08
3	.00	.01	.00	.00	.01	.01	.02	.01	.01	.02	.01	.01		.00	.00	.00	.00	.01	.00	.00	.01	.00	.01	.01	.007	23	.02
4	.01	.00	.00	.01	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.05	.01	.18	.012	24	.52
5*	.09	.41	.09	.01	.04	.05	.01	.11	.02	.05	.01	.01	.01	.00	.01	.02	.02	.03	.08	.08	.02	.01	.01	.04	.051	24	.61
6*	.01	.01	.01	.01	.01	.00	.00	.09	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.01	.00	.00	.004	24	.02
7	.00	.00	.02	.00	.00	.01	.00	.03	.03	.07	.07	.04	.03	.05	.02	.00	.01	.06	.06	.00	.00	.00	.00	.00	.020	24	.17
8	.00	.00	.00	.00	.01	.01	.02	.04	.01	.12	.09		.09	.06	.01	.01	.01	.00	.06	.06	.04	.08	.02	.02	.035	23	.32
9	.16	.01	.01	.00	.02	.02		.05	.08	.03	.02	.03	.03	.07	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.028	23	.28
10	.01	.01	.01	.01	.01	.01	.01			.08	.09	.15	.22	.29	.19	.08	.03	.03	.01	.07	.05	.03	.01	.01	.063	22	.39
11	.01	.01	.01	.02	.03	.01	.03	.03	.18	.21	.13	.05	.07	.06	.05	.05	.02	.01	.01	.03	.02	.02	.01	.02	.045	24	.27
12*	.01	.01	.01	.01	.01	.01	.02	.02	.04	.04	.02	.02	.02	.01	.01	.01	.03	.01	.01	.11	.02	.02	.01	.02	.021	24	.30
13*	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.02	.02	.04	.04	.02	.02	.03	.02	.02	.02	.05	.02	.02	.01	.020	24	.08
14	.01	.01	.01	.03	.06	.03	.03	.03	.13	.09	.03	.03	.02	.02	.03	.03	.03	.02	.03	.03	.02	.04	.02	.01	.032	24	.21
15	.01	.02	.01	.01	.02	.01	.01	.02	.02	.02	.02	.03	.02	.03	.03	.02	.07	.01	.07	.06	.02	.01	.02	.02	.023	24	.11
16	.01	.01	.01	.01	.01	.02	.03	.02	.02	.04	.01	.02	.03	.05	.03	.05	.06	.02	.19	.27	.06	.07	.03	.02	.046	24	.39
17	.01	.01	.02	.02	.05	.03	.02	.02	.02	.02	.01		.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.016	23	.10
18	.01	.02	.02	.01	.01	.01	.02	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.05	.014	24	.12
19*	.13	.09	.10	.10	.09	.06	.04	.05	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.02	.02	.034	24	.19
20*	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.012	24	.04
21	.01	.01	.01	.28	.02	.04	.02	.02	.05	.06	.02	.03	.02	.05	.03	.06	.03	.02	.04	.11	.01	.06	.04	.04	.044	24	.51
22	.07	.03	.01	.03	.02	.01	.01	.01	.01	.01	.01	.01							.00	.00	.00	.01	.02	.02	.016	18	.09
23	.02	.00	.01	.01	.00	.01	.04	.04	.05	.04	.04	.05	.08	.08	.06	.03	.04	.04	.02	.03	.01	.00	.01	.02	.030	24	.13
24	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.004	24	.02
25	.01	.00	.00	.00	.01	.02	.03	.06	.06	.03	.01	.00	.00	.00	.00	.00	.00	.00	.03	.01	.03	.02	.04	.03	.016	24	.08
26*	.02	.02	.01	.02	.03	.06	.10	.12	.17	.09	.01	.03	.02	.00	.00	.01	.03	.10	.06	.12	.07	.02	.01	.01	.046	24	.28
27*	.00	.08	.12	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.01	.011	24	.23
28	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00	.01	.00	.01	.00	.01	.01	.01	.01	.01	.005	24	.01
29	.01	.05	.06	.03	.05	.08	.06	.11	.06	.04	.04	.09	.09	.12	.10	.06	.04	.07	.18	.09	.04	.01	.02	.00	.062	24	.44
30	.02	.01	.01	.01	.01	.03	.03	.30	.26	.15	.28	.07	.03	.08	.10	.17	.14	.37	.04	.04	.05	.04	.02	.05	.094	24	.69
31	.02	.02	.02	.01	.02	.02	.03	.05	.07	.14	.14	.08	.10			.03	.02	.05	.09	.21	.02	.01	.06	.13	.061	22	.29
MEAN	.02	.03	.02	.03	.02	.02	.02	.04	.05	.05	.04	.03	.03	.04	.03	.02	.02	.03	.03	.05	.02	.02	.02	.03	.030		
NO.	31	31	31	31	31	31	30	30	30	31	31	29	29	29	29	30	30	30	31	31	31	31	31	31		730	
MAX.	.16	.41	.12	.28	.09	.08	.10	.30	.26	.21	.28	.15	.22	.29	.19	.17	.14	.37	.19	.27	.07	.08	.09	.18	.094		.69

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-47

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS,MO.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX
1	.17	.13	.19	.21	.16	.20	.24	.20	.21	.11	.11	.13	.16	.18	.10	.04	.03	.01	.01	.02	.02	.02	.03	.02	.112	24	.30
2*	.09	.09	.06	.05	.08	.04	.03	.03	.04	.06	.03	.02	.01	.02	.02	.03	.04	.04	.07	.09	.08	.06	.02	.05	.045	24	.13
3*	.02	.04	.01	.01	.06	.13	.06	.06	.01	.03	.04	.04	.04	.04	.05	.07	.11	.07	.07	.07	.05	.04	.08	.10	.054	24	.18
4	.06	.06	.06	.04	.04	.05	.06	.03	.03	.06	.10	.08	.06	.11	.11	.09	.09	.11	.05	.02	.07	.05	.05	.02	.060	24	.14
5	.04	.03	.03	.04	.04	.03	.03	.08	.10	.22	.14	.24	.18	.09	.08	.10	.04	.07	.05	.04	.06	.05	.05	.05	.077	24	.34
6	.09	.05	.05	.03	.02	.02	.01	.07		.01	.01				.02	.01	.01	.01	.01	.01	.01	.01	.00		.020	19	.10
7			.00	.02	.00					.01	.01	.01	.00	.00			.01	.01	.01	.01	.01	.01	.01	.01	.007	16	.18
8	.01	.01	.01	.01	.01	.01	.02	.03	.02	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.00	.011	24	.03
9*	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.02	.01	.01	.02	.02	.04	.05	.01	.02	.02	.04	.02	.03	.04	.018	24	.12
10*	.09	.08	.09	.21	.06	.04	.08	.19	.16	.08	.04	.03	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.03	.04	.060	24	.32
11	.05	.02	.02	.02	.01	.02	.02	.01	.01	.01	.02	.06	.07	.06	.07	.04	.03	.05	.05	.07	.07	.02	.01	.01	.034	24	.11
12	.01	.01	.01	.01	.01	.01	.02	.03	.03	.03	.04	.02	.02	.01	.01	.02	.01	.02	.02	.02	.04	.13	.17	.09	.032	24	.25
13	.06	.05	.05	.07	.11	.06	.05	.08	.12	.12	.11	.04	.12	.13	.08	.10	.04	.04	.07	.15	.12	.07	.09	.01	.079	24	.24
14	.03	.07	.02	.01	.03	.01	.04	.07	.04	.04	.05	.05	.08	.05		.04	.03	.02	.05	.06	.12	.14	.05	.02	.048	23	.21
15	.01	.07	.02	.05	.04	.02	.07	.06	.05	.03	.01	.03	.08	.09	.05	.04	.09	.09	.09	.14	.15	.06	.11	.19	.069	24	.32
16*	.12	.05	.05	.03	.03	.01	.01	.04	.04	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.020	24	.29
17*	.01	.00	.01	.01	.01	.03	.02	.03	.02	.06	.05	.06	.06	.04	.02	.01	.01	.00	.01	.01	.01	.01	.01	.01	.020	24	.10
18	.01	.01	.01	.02	.05	.03	.02	.02	.02	.02	.04	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.015	24	.05
19	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.009	24	.02
20	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.03	.02	.02	.01	.01	.02	.02	.05	.04	.05	.04	.04	.19	.029	24	.32
21	.27	.11	.19	.15	.21	.25	.23	.27	.19	.15	.23	.04	.03	.03			.06	.04	.04	.03	.05	.04	.03	.03	.118	22	.33
22	.03	.02	.03	.03	.04	.06	.09	.08	.10	.19	.10	.07	.07	.09	.05	.03	.03	.04	.05	.07	.13	.06	.06	.04	.064	24	.23
23*	.04	.13	.16	.16	.19	.13	.18	.17	.18	.05	.03	.02	.02	.02	.02	.03	.01	.01	.01	.01	.01	.01	.01	.01	.066	24	.22
24*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.008	24	.02
25	.01	.01	.01	.00	.01	.01	.01	.01	.04	.05	.25	.08	.03	.03	.02	.04	.07	.17	.24	.10	.04	.01	.01	.01	.051	24	.54
26	.19	.04	.01	.00	.01	.00	.01	.08	.15	.11	.08	.06	.02	.01	.01	.01	.01	.00	.00	.00	.01	.00	.00	.01	.034	24	.27
27	.01	.00	.03	.03	.01	.00	.01	.01	.01	.01	.03	.02	.01	.01	.01	.01	.01	.01	.00	.02	.01	.01	.01	.01	.011	24	.05
28	.01	.02	.01	.02	.01	.08	.04	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.013	23	.21
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.002	24	.04
30*	.00	.00	.00	.04	.16	.01	.01	.05	.11	.13	.11	.01	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.027	24	.26
MEAN	.05	.04	.04	.04	.05	.04	.05	.06	.06	.06	.06	.04	.04	.04	.03	.03	.03	.03	.03	.04	.04	.03	.03	.03	.041		
NO.	29	29	30	30	30	29	29	29	28	30	30	29	29	29	27	28	29	30	30	30	30	30	30	29		703	
MAX	.27	.13	.19	.21	.21	.25	.24	.27	.21	.22	.25	.24	.18	.18	.11	.10	.11	.17	.24	.15	.15	.14	.17	.19	.118		.54

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-48

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS,MO.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1*	.00	.00	.00	.00	.00	.00	.00	.02	.08	.02	.01	.02	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.00	.00	.009	24	.12
2	.02	.02	.00	.00	.00	.00	.01	.05	.02	.02	.02	.01	.00	.03	.00	.00	.00	.01	.01	.00	.01	.00	.00	.00	.009	24	.11
3	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.09
4	.00	.00	.00	.00	.00	.04	.04	.04	.03	.03	.03	.07	.05	.06	.06	.08	.12	.13	.02	.00	.00	.01	.00	.00	.033	24	.17
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.03	.01	.00	.00	.02	.00	.00	.003	23	.04
6	.00	.00	.02	.03	.01	.03	.08	.10	.17	.29	.09	.14	.10	.11	.13	.15	.07	.02	.14	.07	.06	.11	.32	.18	.100	24	.46
7*	.05	.03	.05	.10	.11	.05	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.019	24	.17
8*	.01	.01	.00	.00	.02	.02	.02	.03	.03	.03	.05	.04	.03	.06	.08	.06	.04	.05	.09	.11	.13	.08	.09	.17	.052	24	.30
9	.20	.02	.02	.03	.16	.06	.02	.05	.14	.17	.08	.10	.04	.05	.01	.00	.04	.27	.07	.00	.01	.05	.01	.00	.067	24	.42
10	.00	.00	.00	.01	.04	.01	.03	.04	.13	.11	.13	.21	.26	.21	.12	.11	.07	.09	.11	.22	.15	.02	.01	.02	.088	24	.36
11	.00	.00	.01	.03	.02	.05	.03	.02	.02	.05	.05	.09	.06	.10	.05	.02	.03	.12	.17	.02	.04	.10	.02	.00	.045	24	.20
12	.00	.00	.01	.06	.10	.05	.01	.08	.11	.06	.04	.02	.02	.01	.00		.00	.00	.00	.00	.00	.02			.027	21	.14
13		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
14*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.00
15*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.00	.00	.00	.00	.00	.02	.003	24	.07
16	.03	.00	.00	.02	.04	.15	.23	.17	.14	.06	.13	.12	.06	.05	.03	.10	.16	.07	.04	.02	.01	.01	.01	.01	.070	24	.34
17	.00	.00	.06	.01	.10	.01	.00	.01	.01	.00	.00	.00				.11	.01	.12	.00	.00				.03	.026	18	.25
18	.00	.00	.01	.00	.03	.05	.01	.08	.16	.01			.04	.00	.04	.00	.03	.01	.09	.22	.15	.15	.04	.00	.051	22	.33
19	.03	.00		.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.01	.003	23	.04
20	.00	.02	.00		.00	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.03	.00	.07	.09	.010	23	.18
21*	.06	.06	.02	.05	.01	.01	.00	.00	.01	.03	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.012	24	.11
22*	.07	.10	.08	.15	.00	.00	.00	.01	.02	.00	.03	.02	.00	.00						.00		.00	.00	.00	.027	18	.27
23	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.005	23	.02
24	.01	.01	.01	.01	.01	.01	.01	.01	.03	.02	.03	.02	.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.04	.016	24	.05
25	.03	.01	.01	.03	.09	.03	.02	.03	.04	.05	.04	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.025	24	.13
26	.03	.03	.07	.04	.05	.20	.10	.28	.19	.09	.04	.04	.04	.06	.05			.03	.07	.08	.05	.03	.03	.03	.073	22	.32
27	.03	.04	.03	.05	.03	.03	.05	.06	.07	.05	.04	.04	.05	.09	.07	.06	.06	.13	.12	.10	.07	.05	.03	.03	.057	24	.20
28*	.02	.02	.02	.03	.03	.04	.05	.04	.04	.05	.05	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.02	.02	.03	.033	24	.06
29*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.05	.11	.06	.05	.04	.03	.03	.03	.03	.03	.03	.07	.038	24	.13
30	.05	.03	.03	.03	.07	.11	.05	.04	.04	.09	.09	.04	.04	.06	.05	.06	.03	.03	.01	.01	.01	.01	.01	.01	.041	24	.21
31	.01	.01	.01	.01	.00	.01	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.02	.01	.007	24	.02
MEAN	.02	.01	.02	.03	.03	.03	.03	.04	.05	.04	.03	.04	.03	.04	.03	.03	.03	.04	.04	.03	.03	.03	.03	.03	.031		
NO	30	31	30	30	30	31	31	31	31	31	30	30	30	29	29	28	29	30	30	31	29	30	29	30		720	
MAX	.20	.10	.08	.15	.16	.20	.23	.28	.19	.29	.13	.21	.26	.21	.13	.15	.16	.27	.17	.22	.15	.15	.32	.18	.100		.46

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-49

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	2.8		2.8	2.8	2.7	2.7	2.8	2.8	2.8	2.9	3.0								3.3	3.3	3.3	3.3	3.3	3.3	3.00	16	3.6
2	3.2	3.2	3.2	3.3	3.4	3.5	3.5	3.7	4.1	4.2	4.4	4.6	4.1	4.5	3.6	3.4	3.6	3.5	3.3	3.6	3.6	3.6	3.6	3.6	3.70	24	4.8
3	3.7	3.6	3.5	3.5	3.4	3.4	3.5	3.5	3.5	3.6	3.7	3.7	3.1		3.0	3.0	3.2	3.4	3.5	3.6	3.6	3.5	3.5	3.5	3.47	23	4.0
4	3.5	3.4	3.3	3.2	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.1	3.0	3.0	3.0	3.0	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.15	24	3.5
5	3.3	3.4	3.3	3.3	3.2	3.2	3.3	3.5	3.7	3.7	3.7	3.8	4.5	4.3	4.5	4.5	4.6	4.9	4.6	4.7	4.4	4.2	4.2	4.2	3.96	24	5.0
6*	4.1	4.1	4.2	4.2	4.2	4.1	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.68	24	4.3
7*	3.5	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.8	3.9		2.4	2.6	2.8	3.1	3.9	3.9	3.48	23	4.0
8	3.7	3.7	3.7	3.6	3.6	3.6	3.8	4.1	4.2	4.4	4.1	4.1	4.0	4.0	4.1	4.1	4.2	4.2	4.1	3.8	3.8	3.8	3.8	3.6	3.87	24	4.4
9	3.6	3.7	3.7	3.9	3.9	4.0	3.9	3.8	3.9	3.9	3.9	4.1		3.9	3.2	3.1	3.4	4.5	4.9	4.8	4.7	4.6	4.6	4.5	4.01	23	5.0
10	4.4	4.6	4.5	4.2	3.9	3.7	3.6	3.6	3.8	4.1	4.3	4.7	5.4	5.4	4.9	4.8	5.2	5.5	5.0	4.6	4.3	4.1	4.0	3.9	4.41	24	5.6
11	3.8	3.8	4.3	4.2	4.0	3.9	3.8	3.8	3.8	3.9	3.8	3.3	3.1	3.2	3.1	3.1	3.2	3.6	3.6	3.6	3.7	3.7	3.7	3.6	3.65	24	4.4
12	3.6	3.7	3.7	3.6	3.6	3.6	3.7	4.0	4.3	4.4	4.4	4.6	5.0		5.1	4.2	4.5	4.5	5.1	5.3	5.0	4.8	4.9	4.5	4.34	23	5.6
13*	4.0	3.6	3.4	3.4	3.4	3.7	3.8	3.6	3.6	3.6	3.6	3.5	3.5	3.7	5.0	8.3	9.3	8.6	8.3	7.3	6.8	6.2	5.5	5.5	5.05	24	9.8
14*	5.3	4.7	4.7	5.8	5.1	4.6	4.2	4.0	3.9	3.7	3.5	3.4	3.3	3.4	3.6	3.8	4.4	4.1	3.7	3.6	4.1	4.6	4.5	4.5	4.17	24	6.0
15	4.6	4.5	4.5	4.8	5.4	5.8	5.8	5.6	5.2	5.0	5.0	5.0	4.1	2.8	3.8	3.2	4.3	5.4	5.3	5.4	5.1	4.9	4.8	4.5	4.78	24	6.0
16	4.4	4.8	5.1	5.2	5.4	5.3	5.0	5.2	5.6	5.8	5.7	5.5	4.9	4.9			5.3	5.6	5.4	5.4	5.5	5.6	5.8	5.7	5.30	22	5.9
17	5.5	5.6	5.6	5.5	5.3	5.3	5.3	5.5	5.8	6.0	6.2	6.4	6.1	4.7	4.9	5.4	5.8	6.8	6.3	5.7	5.2	4.8	4.5	4.5	5.51	24	6.9
18	4.5	4.6	4.7	4.7	4.6	4.5	4.6	4.9	5.4	5.5	5.8	6.0	6.1	6.0	6.1	6.2	7.7	10.2	12.5	14.9	14.3	13.4	12.6	12.0	7.56	24	15.3
19	11.3	10.8	10.4	10.2	9.8	9.6	11.5	11.4	10.7	10.2	9.2	7.3	11.9			10.6	12.2	10.9	8.2	8.1	7.8	6.7	7.6	8.3	9.75	22	15.5
20*	8.4	6.5	5.9	5.7	6.9	7.4	6.3	6.5	6.5	6.0	6.0	6.5	7.5	9.2	8.6	6.1	4.9	5.0	5.3	5.5	5.7	5.9	6.0	6.2	6.42	24	10.8
21*	6.5	6.9	8.2	8.0	7.8	8.0	8.1	8.0	8.0	8.0	8.0	7.9	7.4	6.4	6.1	6.2	6.8	5.6	5.2	5.7	6.0	6.2	6.0	6.5	6.96	24	8.3
22	7.0	7.2	7.5	8.0	8.0	8.2	8.6	8.9	9.4	9.9	9.8	9.9	7.4	6.6	6.1	4.9	4.9	7.8	10.8	9.8	9.1	8.5	7.8	7.3	8.04	24	11.5
23	6.8	6.7	6.2	6.0	6.1	6.1	6.0	6.0	5.8	5.5	5.5	4.7			3.2	3.4	3.7	4.2	4.7	4.9	4.8	4.6	4.6	4.7	5.18	22	6.9
24	5.2	5.1	4.9	4.7	4.6	4.4	4.3	4.4	4.3	4.4	4.2	3.6	2.8	2.8	3.5	3.6	4.7	4.9	4.7	4.7	4.6	4.5	4.2	4.0	4.27	24	5.3
25	3.8	3.7	3.6	3.6	3.6	3.5	3.5	3.8	3.9	3.8	3.9	3.5	3.7	4.6	6.3	4.8	4.9	5.3	4.6	4.3	4.0	3.9	3.9	3.9	4.10	24	6.7
26	3.9	3.8	3.8	3.8	3.7	3.7	3.8	4.4	4.4	4.3	4.5	4.1	4.1		3.7	3.9	4.0	4.2	3.8	3.8	4.0	4.1	4.5	4.5	4.00	23	5.1
27*	4.6	4.6	4.3	4.2	4.4	4.4	4.5		5.4	5.3	5.3						4.0	4.2	3.1	3.2	3.3	3.4	3.6	3.6	4.05	18	5.6
28*	3.7	3.8	3.8	3.9	4.2	4.2	4.3	4.3	4.3	4.4	4.5	4.5				3.7	3.6	3.0	2.8	3.0	3.2	3.3	3.4	3.5	3.77	21	4.6
29	3.5	3.5	3.6	3.6	3.6	3.7			4.6	4.7	4.8	3.9	3.8	3.9	4.3	3.8	4.3	6.7	6.8	6.3	5.9	5.8	5.7	5.6	4.65	22	6.9
30	5.5	5.6	5.6	5.6	5.4	5.4	5.5	5.9	6.0	5.9	5.1	3.3	3.0	3.1	3.6		3.4	4.0	3.6	3.7	3.7	3.7	3.9	4.0	4.52	23	6.1
31	4.1	3.9	3.8	3.8	3.7	3.8	4.1	4.5	4.6	4.5	4.5	4.7	5.2	5.2	5.1	4.6	5.3	5.7	5.4	5.3	5.5	5.7	5.6	5.5	4.74	24	6.0
MEAN	4.7	4.7	4.6	4.6	4.6	4.6	4.7	4.8	4.9	4.9	4.9	4.7	4.8	4.5	4.4	4.5	4.8	5.2	5.1	5.1	5.0	4.9	4.8	4.8	4.78		
NO.	31	30	31	31	31	31	30	29	31	31	31	29	26	23	26	27	30	29	31	31	31	31	31	31		713	
MAX.	11.3	10.8	10.4	10.2	9.8	9.6	11.5	11.4	10.7	10.2	9.8	9.9	11.9	9.2	8.6	10.6	12.2	10.9	12.5	14.9	14.3	13.4	12.6	12.0	9.75		15.5

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CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-50

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

ST. LOUIS,MO.

TOTAL HYDROCARBON
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
[illegible]	5.4	5.3	5.4	5.4	5.3	5.9	6.1	6.4	7.1	7.2	7.3	6.7	5.5	6.6	6.7	6.1	7.4	9.2	8.0	6.7	5.4	4.5	3.9	3.6	6.14	24	10.1
[illegible]	3.6	3.5	3.4	3.3	3.3	3.3	3.4	3.5	3.6	3.5	3.7	3.1	3.0		3.2	3.8	3.3	3.3	3.7	4.0	4.3	4.4	4.5	5.2	3.63	23	6.3
3*	5.0	5.1	5.3	5.4	5.6	5.3	5.4	5.9	6.0	6.0	5.9	6.1	6.0						2.1	2.1	2.1	2.1	2.0	2.0	4.47	19	6.4
4*	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.1	2.2		2.1	2.1	2.0	2.0	1.9	1.9	1.9	2.01	23	2.2
5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1			2.6	2.7	3.1	3.2	3.5	4.0	4.2	4.2	4.3	2.58	22	4.6
6	4.4	4.5	4.7	4.8	4.8	4.8	5.0	5.5	6.5	6.9	7.0	5.5	3.6	3.3	3.8	3.2	3.5	3.1	3.2	3.2	3.1	3.1	2.9	2.9	4.30	24	7.9
7	2.9	3.0	3.0	3.0	3.0	3.0	2.9	3.0	3.2	3.3	3.2	2.9	2.8	2.8	3.4	2.7	2.9	3.0	3.2	3.4	3.4	3.5	3.6	3.7	3.11	24	3.8
8	3.9	3.8	3.8	3.7	3.6	3.6	3.6	3.7	3.8	4.0	3.8	3.2	3.1	3.1	3.1	3.1	3.4	3.4	3.4	3.7	3.9	4.1	4.3	4.6	3.64	24	4.9
9	4.6	4.7	4.6	4.3	4.3	4.1	4.2	4.5	4.6	4.3		3.7	3.7	3.1			3.4	3.0	3.2	3.4	3.5	3.7	3.7	3.8	3.92	21	4.9
10*	3.7	3.6	3.7	3.9	3.8	3.7	3.9	3.9	3.8	3.9	3.8	3.9	3.7	3.7	4.0	3.3	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.3	3.56	24	4.2
11*	3.3	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.4	3.1		3.2	3.2	3.3	3.3	3.2	3.6	3.3	3.19	23	4.3
12	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.4	3.3	3.3	3.2	3.3	3.2	3.0	4.3	2.7	2.9	3.0	3.1	3.2	3.2	3.2	3.3	3.2	3.20	24	5.3
13	3.2	3.1	3.1	3.1	3.1	3.1	3.2	3.3	3.3	3.6	3.6	3.7	3.8			4.3	4.7	4.2	3.6	3.6	3.6	3.5	3.6	3.7	3.53	22	5.6
14	3.6	3.5	3.4	3.4	3.4	3.3	3.3	3.7	3.6	3.7	3.7	3.5	3.2	3.3	3.5	3.5	4.3	4.1	3.8	3.9	4.0	4.0	4.3	4.1	3.66	24	5.4
15	3.9	3.9	3.8	3.7	3.7	3.6	3.7	3.9	4.0	4.1	4.1	3.7	3.3	3.5	3.5	3.1	3.1	3.0	3.3	3.7	3.9	4.1	4.4	4.4	3.70	24	4.6
16	4.5	4.5	4.6	4.5	4.4	4.3	4.4	5.0	5.1	5.3	5.6	5.4	3.3			2.9	3.5	3.8	4.6	5.4	6.0	6.0	5.4	4.8	4.69	22	6.3
17*	4.5	4.3	4.2	4.2	4.0	3.8	3.5	3.4	3.4	3.5	3.6	3.8	3.7	3.7	3.3	2.6	2.7	3.0	3.2	3.3	3.5	3.5	3.8	3.8	3.59	24	4.6
18*	3.8	3.8	3.7	3.6	3.6	3.6	3.7	3.8	3.8	3.9	4.0	4.1	4.1	4.3	4.3	4.4	4.0	3.9	4.1	4.3	4.7	5.0	4.9	4.9	4.08	24	5.1
19	5.2	5.8	5.4	5.3	5.1	5.0	4.9	5.4	5.2	5.1	5.3	5.5	5.0	5.2	4.4	4.7	5.0	6.2	6.8	7.3	8.8	10.1	9.5	9.2	6.03	24	10.3
20	8.5	8.2	8.3	8.3	8.2	9.1	9.0	8.2	7.9	7.4	6.8	6.2	3.8			3.0	3.3	3.7	4.0	4.0	4.1	4.0	3.9	3.9	6.07	22	9.5
21	3.8	3.7	3.5	3.6	3.7	3.5	3.5	3.5	3.5	3.6	3.6	3.1	2.7	2.7	2.8	2.8	3.0	3.1	3.2	3.2	3.2	3.3	3.3	3.4	3.29	24	4.0
22	3.5	3.7	3.7	3.5	3.3	3.2	3.2	3.3	3.5	3.6	3.7	4.0	4.0	4.1	4.0	3.3	3.2	3.4	3.5	3.6	3.7	3.9	4.2	4.1	3.63	24	4.4
23	4.0	3.8	3.7	3.6	3.7	3.7	3.8	4.0	4.3	4.5	4.7	4.5	3.5		2.9	3.0	3.3	3.7	3.7	4.1	4.3	4.4	4.7	5.8	3.97	23	6.3
24*	5.9	5.5	5.5	5.7	5.6	5.4	5.4	5.8	6.2	6.4	6.3	5.7	5.1	4.8	4.1	2.8	3.1	3.7	4.4	4.9	5.0	5.3	5.3	5.4	5.13	24	6.6
25*	5.5	5.4	5.3	5.1	5.0	4.9	5.2	5.1	5.2	5.6	6.0	5.9	5.2	4.4	4.0	3.7	3.3	2.7	3.4	4.1	4.3	4.3	4.2	4.2	4.66	24	6.3
26	4.1	4.0	3.9	3.8	4.0	4.0	4.1	4.6	4.6	4.7	4.9	4.8	4.6	5.0	5.3	5.6	4.3	3.5	4.0	5.1	5.0	4.7	4.6	4.6	4.48	24	6.3
27	4.7	4.5	4.9	4.8	4.5	4.2	4.3	4.4	4.1	4.1	4.1	3.4	3.0		3.3	3.5	3.4	3.1	3.3	3.5	3.7	3.9	4.0	4.2	3.92	23	5.0
28	4.3	4.4	5.3	5.3	5.0	4.7	4.6	4.6	4.4	4.4	4.5	3.3	2.5	2.3	2.3	2.7	3.4	4.6	4.9	5.0	4.8	4.4	4.2	4.0	4.14	24	5.4
29	3.8	3.7	3.8	4.0	4.0	3.7	3.7	3.9	3.7	3.7	3.3	3.2	3.2	3.2	3.2	3.2	3.6	3.2	3.5	3.8	4.0	3.7	3.5	3.5	3.58	24	4.2
MEAN	4.2	4.1	4.1	4.1	4.1	4.0	4.1	4.4	4.3	4.4	4.4	4.1	3.7	3.7	3.7	3.4	3.6	3.6	3.7	3.9	4.1	4.1	4.1	4.1	4.00		
NO.	29	29	29	29	29	29	29	29	29	29	28	29	29	21	23	27	26	28	29	29	29	29	29	29		675	
MAX.	8.5	8.2	8.3	8.3	8.2	9.1	9.0	8.2	7.9	7.4	7.3	6.7	6.0	6.6	6.7	6.1	7.4	9.2	8.0	7.3	8.8	10.1	9.5	9.2	6.14		10.3

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CONTINUOUS AIR MONITORING PROGRAM

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Cincinnati, Ohio 45226

Table 3-51

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

ST. LOUIS,MO.

TOTAL HYDROCARBON
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	3.6	3.5	3.5	3.5	3.5	3.8	4.1	4.4	4.4	4.4	3.7	4.8			2.9	2.6	2.9	3.3	3.3	3.4	4.2	5.3	5.9	6.7	3.97	23	7.1
2*	7.9	8.9	10.5	10.6	10.1	9.7	9.0	8.3	7.7	6.8	6.1	5.4	5.0	4.8	4.5	3.7	2.8	3.0	3.4	3.6	3.7	3.9	3.9	4.1	6.13	24	10.8
3*	4.1	4.2	4.1	3.8	3.6	3.4	3.2	3.2	3.1	3.1	3.1	3.1	3.0	2.8	2.6	2.6	2.6	2.5	2.6	2.9	3.4	3.7	3.7	3.7	3.25	24	4.2
4	3.7	3.5	3.5	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.6	3.0	2.7	2.7	3.2	2.7	3.1	3.2	3.1	3.1	3.1	3.4	3.9	4.1	3.33	24	4.2
5	4.1	3.7	3.6	3.3	3.1	2.9	2.9	3.0	3.2	3.3	3.2	2.9	2.6	2.5		2.3	2.3	2.3	3.0	4.4	5.1	5.4	5.6	5.9	3.49	23	6.1
6	6.1	5.9	5.9	5.9	5.9	6.0	6.4	7.0	7.1	7.4	7.4	3.7	3.5	3.1	3.4	2.8	3.0	3.2	3.9	4.3	4.5	4.7	5.2	5.5	5.06	24	7.7
7	5.6	5.9	6.2	6.2	6.8	6.7	6.8	7.3	7.4	7.1		3.4	3.4	3.5	3.9	3.4	3.6	3.9	3.6	3.6	3.6	3.8	3.7	3.9	4.92	23	7.6
8	3.7	3.7	3.7	3.9	3.8	3.9	3.9	4.6	4.2	3.9	3.7	3.5	3.3	3.1			3.0	2.9	3.0	3.4	3.6	3.7	3.9	4.2	3.66	22	5.1
9*	4.2	4.2	4.2	4.2	4.1	4.2	4.5	5.1	6.0	6.9	6.1	5.7	5.5	5.4		3.4	5.1	4.5	3.7	2.9	2.8	2.6	2.7	2.7	4.36	23	7.3
10*	2.6	2.5	2.4	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.5	2.5	2.4	2.7	3.0	3.2	3.4	3.4	3.5	2.52	24	3.6
11																											
12																											
13	4.3	4.0	3.9	3.8	3.8	3.8	3.8	3.9	3.9	4.3	4.6	3.9	3.2	4.2	4.6	4.9	4.4	4.0	4.0	4.1	4.0	3.8	3.6	3.6	4.02	24	6.3
14	3.5	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.2	3.5	3.7	3.8	3.8	4.8	5.2	5.1		5.3	5.7	5.8	6.0	5.8	5.8	5.9	4.28	23	6.5
15	5.6	5.2	5.1	5.0	4.7	4.4	4.3	4.5	4.9	4.9	5.1	4.4	4.5			5.0	6.1	7.8	8.5	9.5	10.5	10.6	10.6	10.6	6.44	22	10.7
16*	10.3	10.1	9.9	9.8	9.7	9.6	9.5	9.1	9.1	9.2	9.0	8.2	7.5	7.0	6.8	5.5	3.9	8.2	8.1	6.9	5.6	5.0	5.1	4.9	7.81	24	10.5
17*	4.8	4.7	4.1	4.3	4.7	4.3	4.3	3.6	4.3			7.6	7.4	7.7	7.6		3.8	4.3	5.4	5.0	5.7	5.5	4.6	4.0	5.12	21	7.9
18	3.7	3.4	3.3	3.2	3.2	3.1	3.3	4.1	4.9	5.2	5.2	4.4	4.0	4.1	4.2	5.3	6.4	6.9	6.3	5.8	5.5	5.3	5.0	5.1	4.60	24	7.6
19	5.1	5.1	5.0	5.1	5.8	6.5	7.3	8.1	8.8	9.1	7.4	5.1		5.0	4.8	5.0	6.4	7.3	7.9	7.1	6.8	7.3	8.2	7.2	6.57	23	9.4
20	5.1	2.9	2.5	2.4	2.3	2.3	2.5	2.4	2.6	2.6	2.6	2.6	2.7	2.9	3.0	3.4	3.8	4.2	4.5	4.8	4.9	5.1	5.1	4.9	3.41	24	6.5
21	4.6	4.3	4.3	4.4	4.2	3.9	3.7	3.7	3.7	3.7	3.6	3.4	2.7	2.6	2.6	2.5	2.9	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.46	24	4.8
22	3.5	3.4	3.6	4.3	4.5	4.6	4.5	4.4	4.2	4.0	4.7	4.0			2.6	3.1	2.7	2.9	3.3	3.3	3.2	3.2	3.1	3.2	3.64	22	4.9
23*	3.3	3.2	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.8	2.8	2.7	2.7	2.5	2.6	2.5	2.5	2.6	2.6	2.6	2.8	2.9	3.0	3.0	2.81	24	3.5
24*	3.1	3.1	3.2	3.3	3.4	3.6	3.6	3.8	4.3	4.4	4.1	3.7	3.5	3.4	3.4	3.4	3.3	4.4	7.9	8.1	5.5	4.0	3.7	3.6	4.06	24	8.8
25	3.3	2.9	3.0	3.0	3.1	3.5	3.5	4.9	5.0	6.7	6.1	3.5	3.2	3.1	3.2	3.3	3.6	4.0	4.4	4.1	3.8	4.0	4.7	4.6	3.89	24	7.2
26	4.3	4.3	3.9	3.9	3.7	3.6	3.7	4.7	5.3	5.7	5.3	3.3	3.1	3.0		3.0	3.7	3.6	3.7	3.8	3.7	3.5	3.7	3.9	3.91	23	6.1
27	3.8	3.8	3.8	4.0	3.7	3.3	3.6	4.9	4.3	3.9	3.4	2.9	3.0	3.0	3.1	3.3	3.3	3.3	3.3	3.3	3.5	3.3	3.3	3.5	3.47	24	6.5
28	3.8	3.6	3.7	3.8	4.1	4.0	4.1	4.8	5.3	4.7	3.4	2.8	2.7	2.9	2.7	2.9	3.3	3.5	4.6	4.6	3.9	3.5	3.2	2.4	3.66	24	5.7
29	2.3	2.9	3.1											2.9	3.1	3.1	3.3	4.0	3.5	3.7	3.8	3.6	3.8	4.5	3.38	14	4.8
30*	4.0	3.4	3.0	2.8	3.1	3.1	3.3	3.4	3.3	3.2	2.3	3.1	2.9	3.2	3.4	3.0	2.6	2.8	2.8	2.9	3.1	2.8	2.6	2.7	3.05	24	4.3
31*	2.7	2.5	2.5	2.5	2.6	2.7	2.5	2.7	2.8	2.7	3.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.1	2.2	2.3	2.3	2.5	2.33	24	3.5
MEAN	4.4	4.2	4.2	4.2	4.2	4.2	4.3	4.5	4.7	4.8	4.5	3.9	3.6	3.6	3.7	3.4	3.5	4.0	4.3	4.3	4.3	4.3	4.4	4.4	4.16		
NO.	29	29	29	28	28	28	28	28	28	27	26	28	25	26	24	27	28	29	29	29	29	29	29	29		669	
MAX.	10.3	10.1	10.5	10.6	10.1	9.7	9.5	9.1	9.1	9.2	9.0	8.2	7.5	7.7	7.6	5.5	6.4	8.2	8.5	9.5	10.5	10.6	10.6	10.6	7.81		10.8

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-52

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

ST. LOUIS, MO.

TOTAL HYDROCARBON
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	2.4		2.6	2.5	2.4	2.5	2.5	2.6	2.9	3.1	3.1	2.9	2.8	2.8	2.8	2.6	3.2	3.0	2.9	3.0	2.9	3.1	3.0	3.6	2.83	23	3.7
2	3.4	2.9	2.9	2.8	2.9	3.2	3.4	3.5	3.9	3.9	3.9	3.8	3.0	2.6			3.3	3.4	2.8	2.7	2.7	2.9	2.7	2.8	3.14	22	4.2
3	2.9	2.9	2.7	2.6	2.7	2.6	2.6	3.1	3.1	3.0	2.9	3.3	2.9	2.8	2.7	2.7	3.3	3.6	3.4	3.1	3.4	2.8	2.7	2.9	2.94	24	4.7
4	2.8	2.7	2.7	2.6	2.4	2.4	2.4	2.5	2.7	2.7	2.7	2.7	2.7	2.7	2.9	3.0	3.1	3.1	3.1	3.0	3.1	3.1	3.1	3.1	2.79	24	3.5
5	3.1	3.1	3.1	3.2	3.1	3.3	3.4	3.5	3.4	3.5	3.8	3.1	3.1	3.1	3.1		2.6	2.9	3.4	3.6	3.9	3.9	4.0	4.2	3.35	23	4.4
6*	8.1	4.3	4.3	4.5	4.6	4.7	4.7	4.7	4.6	4.0	3.7	3.5	3.5	3.5	3.4	3.4	3.9	3.7	3.6	3.4	3.4	3.4	3.5	3.5	3.89	24	5.1
7*	3.3	3.4	3.4	3.1	3.1	2.9	3.0	3.2	3.2	3.2	3.7	4.0	4.2	3.8	3.8	3.9	3.4	2.9	3.7	3.6	3.3				3.43	21	4.5
8																											
9		2.9	2.9	2.5	2.4	4.4	3.0	3.5	3.3	3.4	3.1	3.0	2.9	2.7				2.7	2.8	3.4	3.4	3.6	3.4	3.6	3.04	20	4.5
10	3.6	3.6	3.9	3.4	3.2	3.2	3.3	4.1	3.8	3.8	3.8	3.3	2.8	2.7	2.7	2.7	2.7	2.5	2.5	3.0	2.8	2.9	3.8	4.1	3.24	24	4.9
11	3.7	3.7	3.6	3.4	3.1	3.3	3.4	4.4	4.1	4.0	3.5	3.6	4.2	4.3	4.3	4.7	4.6	4.2	3.7	3.7	4.2	4.5	4.5	4.3	3.95	24	5.0
12	4.0	3.7	3.5	3.3	3.4	3.6	3.8	4.6	4.3	4.2	4.1	4.3	4.2				5.0	4.6	4.4	4.5	4.6	4.7	4.9	5.1	4.21	21	5.4
13*	5.3	5.3	5.4	5.3	5.3	5.3	5.6	5.9	6.0	5.8	5.8	5.4	4.8	4.4	4.2	3.3	2.8	2.9	3.0	3.3	3.7	3.7	3.9	4.1	4.59	24	6.1
14*	4.1	4.3	4.5	4.6	4.6	4.6	4.7	4.8	4.7	3.9	3.1	2.8	2.8	2.9	2.8	2.8	2.6	2.1	2.5	2.9	3.3	3.6	3.8	4.1	3.61	24	5.1
15	4.3	4.5	4.6	4.6	4.7	5.0	5.3	5.5	5.1	4.9	5.0	3.5	3.4	3.4	3.5	3.7	3.6	3.7	3.4	3.6	3.6	3.6	3.9	4.1	4.19	24	5.7
16	4.5	4.5	4.6	4.5	4.5	4.4	4.2	4.3	4.5	4.2	4.2	3.5	3.2	3.3	3.0	3.3	3.4	3.6	3.2	3.2	3.0	3.2	3.3	3.5	3.78	24	4.8
17	3.5	3.6	3.7	3.8	4.0	4.0	4.1	4.7	5.0	5.0	5.2	4.9					4.4	5.0	4.3	3.7	3.0	2.4	2.2	2.1	3.92	20	5.6
18	2.1	2.2	2.1	2.2	2.3	2.3	2.5	2.8	2.9	2.5	2.4	2.5	2.5	2.4	2.4	2.5	2.8	3.2	3.4	3.7	4.0	4.2	4.4	4.7	2.86	24	5.0
19	4.9	5.0	5.1	5.1	5.1	4.8	5.1	5.4	5.8	5.8	5.0	3.5				3.5	3.5	4.1	4.4	3.2	2.7	3.4	3.3	3.5	4.34	22	6.2
20*	3.8	3.0	2.8	2.9	2.7	2.4	2.7	3.6	3.6	3.7	3.6	3.6	3.2	3.1	2.7	2.4	2.3	2.3	2.3	2.3	2.7	2.6	3.0	3.0	2.92	24	4.3
21*	2.7	2.6	2.7	2.9	3.2	3.5	3.1	3.1	3.0	2.4	2.5	3.2	3.4	3.2	2.6	3.0	2.7	2.4	2.5	2.8	3.1	3.2	3.3	3.3	2.91	24	4.3
22	3.6	3.4	3.1	2.8	2.5	2.7	3.2	4.1	3.8	3.3	4.3	5.0				5.3	6.1	4.3	3.7	3.5	3.2	3.4	3.0	3.0	3.67	21	7.7
23	2.9	2.7	2.8	2.5	2.5	2.4	2.8	3.6	3.5	3.1	3.3					3.7	3.3	3.9	2.8	2.4	2.4	2.6	2.3	2.1	2.87	20	4.5
24	2.1	2.0	2.1	2.1	2.2	2.2	2.4	2.8	3.3	3.8	3.3	2.6			2.4	2.6	2.6								2.56	15	3.9
25																											
26																											
27*		2.2	2.1	2.0	2.0	2.8	2.5	2.7	2.9	2.7	2.5	2.4	2.5	2.3	2.4	2.4	2.6	2.7	2.9	3.2	2.6	2.3	2.7	2.4	2.51	23	3.7
28*	2.3	2.2	2.1	2.1	2.1	2.1	2.2	3.2	3.2	3.0	3.0	3.4	3.2	3.2	3.0	2.8	2.6	3.0	3.1	2.9	2.9	2.9	3.4	2.9	2.76	24	3.8
29	3.0	3.1	2.4	2.2	2.0	2.1	2.8	3.4	3.5	3.2	2.8	2.6	2.5	2.6	2.7				3.3	3.8	5.1	6.2	7.1	8.1	3.53	21	9.2
30	8.6	8.7	9.1	10.0	10.4	10.7	9.8	8.8	7.6	6.9	4.2	3.0	3.1	3.2	3.2	3.3	3.4	3.1	2.8	3.0	3.3	4.7	4.9	4.3	5.82	24	10.8
MEAN	3.6	3.6	3.5	3.5	3.5	3.5	3.6	4.0	4.0	3.8	3.6	3.4	3.2	3.1	3.1	3.2	3.4	3.3	3.2	3.2	3.3	3.5	3.6	3.7	3.48		
NO.	25	26	27	27	27	27	27	27	27	27	27	26	22	21	21	21	25	25	26	26	26	25	25	25		608	
MAX.	8.6	8.7	9.1	10.0	10.4	10.7	9.8	8.8	7.6	6.9	5.8	5.4	4.8	4.4	4.3	5.3	6.1	5.0	4.4	4.5	5.1	6.2	7.1	8.1	5.82		10.8

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-53

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	4.1	3.3	3.2	2.9	2.8	2.8	3.1	3.8	3.5	3.4	3.0	3.0	3.7	3.8	3.9	3.7	3.4	3.2	3.6	4.5	4.3	3.0	2.6	2.5	3.36	24	4.9
2	2.5	2.6	2.6	2.8	2.8	2.8	3.2	4.1	4.4	4.3	4.3	4.6	4.4	4.1	4.1	4.3	4.5	3.7	3.8	3.9	4.1	4.0	3.9	3.5	3.71	24	4.9
3	3.4	3.5	3.2	3.2	3.1	3.3	3.0	3.1	3.1	3.0	2.9			2.7	2.8	3.0	2.9	2.6	2.6	2.9	2.6	2.5	3.0	2.8	2.94	22	3.9
4*	2.9	3.5	3.4	3.2	3.1	3.1	3.4	3.6	3.2	3.0	2.8	2.6	2.5	2.4	2.4	2.2	2.5	2.8	3.4	4.0	4.8	5.3	6.4	7.4	3.50	24	7.7
5*	7.9	8.1	8.1	8.2	8.2	8.0	7.9	7.6	6.3	5.8	5.3	5.0	4.6	4.6	4.4	4.4	4.5	4.7	4.8	5.1	5.3	6.2	6.8	7.3	6.21	24	8.3
6	7.1	7.3	7.3	7.0	6.4	6.1	5.9	5.8	4.9	4.6	4.1	3.6	3.2	3.4	3.6	3.7	3.4	3.5	3.6	3.8	4.1	4.3	4.6	4.9	4.82	24	7.4
7	5.4	4.8	4.6	4.7	4.7	5.3	5.8	5.4	4.6	4.1	3.4	3.5		3.0	3.1	3.8	3.8	3.7	3.9	4.3	4.4	5.1	6.0	6.9	4.55	22	7.8
8	6.6	6.7	7.3	7.7	8.4	9.2	9.5	9.3	8.6	8.0	5.3	3.7	3.6	3.6	3.5	3.8	4.0	3.6	3.2	3.1	2.9	3.2	3.2	3.0	5.45	24	10.0
9	3.0	2.8	3.3	3.0	3.2	3.0	3.2	2.8	2.9	2.9	2.8	2.9	2.5	2.4	2.6	2.7	2.6	2.4	2.3	2.8	2.7	3.0	3.3	3.2	2.84	24	3.8
10	2.9	2.7	2.6	2.6	2.6	2.7	3.0	3.2	3.1	3.1	3.2	3.7	4.0	3.5	3.3		3.8	2.8	2.4	2.2	2.2	2.2	2.1	2.1	2.85	23	4.2
11*	1.9	2.0	2.0	1.9	2.0	2.2	2.2	2.3	2.3	2.4	2.5	2.6	2.2	2.6	2.4	2.3	2.3	2.6	2.5	2.4	2.2	2.3	2.4	3.4	2.32	24	3.8
12*	3.5	2.9	2.8	3.0	3.4	3.8	3.2	2.9	3.0	3.2	3.4	3.7	3.4	3.6	3.8	4.0	3.6	3.4	3.4	3.3	3.1	2.9	2.9	2.8	3.28	24	4.2
13	2.5	2.6	2.7	3.0	2.8	3.1	4.3	4.8	4.4	4.1	3.5	3.3	3.3	2.9	3.3	5.5	6.7	7.0	8.1	9.4	10.4	10.6	11.0	11.7	5.44	24	12.0
14	12.1	13.2	14.2	15.1	15.4	15.9	16.5	8.5	4.9	5.5	6.0	3.1			3.3	3.7	3.9	3.9	3.8	3.6	3.5	3.5	4.1	5.8	7.68	22	17.1
15	5.4	6.4	6.3	6.3	7.0	6.6	7.5	5.8	3.8	3.0	3.4			3.3	3.3	3.8	3.7	3.2	2.9	2.7	2.5	2.2	2.7	2.5	4.27	22	8.2
16	2.6	2.9	3.2	3.2	3.2	3.2	3.3	2.9	3.3	3.3	3.0	2.7	3.1	2.8	2.8	3.0	3.1	3.0	2.8	2.9	3.3	3.4	3.6	3.5	3.08	24	3.8
17	3.0	2.7	2.7	2.7	2.6	2.5	2.5	2.7	2.7	3.0		2.6	2.9	2.7	2.7	3.3	2.7	2.8	2.6	2.9	2.9	3.0	3.2	3.2	2.80	23	3.9
18*	3.2	2.9	2.8	2.7	3.1	3.1	3.1	3.4	3.5	3.7	3.8	3.6	3.5	3.6	3.5	3.6	2.9	2.6	2.9	2.9	2.8	2.7	2.8	2.7	3.12	24	4.7
19*	2.7	2.6	2.7	2.7	2.7	2.6	2.7	3.4	3.4	3.3	3.3	3.3	2.9	2.9	3.0	2.9	3.1	3.0	3.3	3.2	3.3	3.3	3.3	3.3	2.99	24	3.6
20	3.2	2.9	3.0	3.0	3.1	3.1	3.3	3.8	3.4	3.3	3.4	3.2	3.1	3.3	3.8	3.2	3.0	3.3	3.3	3.6	3.4	3.5	3.7	4.1	3.31	24	4.1
21	3.8	3.7	3.6	3.4	3.4	3.4	3.6	3.8	3.5	3.5	3.6	3.3	3.3	3.4	3.4				2.9	2.8	3.2	3.3	3.8	4.7	3.48	21	4.9
22	4.1	3.4	4.4	3.5	3.5	3.3	4.0	4.3	4.0	3.7	3.3	3.3	3.4	2.9	2.5	3.0	3.2	2.9	2.6	2.4	2.5	2.6	2.7	2.6	3.23	24	5.3
23	2.7	2.7	2.7	2.5	2.9	3.3	3.9	4.1				3.4	3.1	3.9	3.5	3.7	3.9	2.8	2.9	2.7	3.4	3.4	3.6	3.3	3.24	21	4.6
24	3.3	3.7	3.3	3.1	3.6	4.0	4.2	4.5	4.5	3.5	3.9	3.8			3.8	3.5	4.2	2.8	3.0	3.2	3.0	3.3	3.3	3.1	3.55	22	5.6
25*	2.9	3.0	2.9	2.8	2.9	3.1	3.3	3.4	3.1	3.5	3.2	3.5	3.8	3.7		4.5	4.4	4.6	4.9	5.0	5.3	5.3	5.1	5.0	3.88	23	5.6
26*	4.8	4.4	4.4	4.8	5.1	4.9	4.2	4.3	4.2	4.1	4.2	3.5	3.4	3.2	3.4	3.6	3.5	3.3	3.5	3.4	3.4	3.2	3.4	3.4	3.88	24	5.2
27	3.3	3.3	3.4	3.3	3.3	3.5	3.6	3.9	4.3	4.5	3.3	2.7	2.7	2.9	2.8	3.0	2.8	2.6	2.9	3.3	3.4	3.9	4.3	4.3	3.37	24	5.0
28	4.2	4.2	3.9	3.7	3.6	3.8	4.2	4.1	3.3	3.4	3.0	2.8	2.7	2.8											3.53	14	4.6
29																											
30		4.1	3.7	3.4	3.4	3.5	3.7	3.3	3.0	2.9	2.9	2.9	2.8	2.4	2.3	2.2	2.1	2.0	1.9	2.1	2.6	2.7	3.0	3.0	2.84	23	4.2
31	3.1	3.0	2.5	2.9	3.2	3.3	3.7	3.7	3.0	2.8	2.8						4.3	4.0	3.1	3.6	3.3				3.26	16	4.7
MEAN	4.1	4.1	4.1	4.1	4.2	4.3	4.5	4.3	3.9	3.7	3.5	3.3	3.2	3.2	3.2	3.4	3.5	3.3	3.3	3.5	3.6	3.7	4.0	4.1	3.76		
NO.	29	30	30	30	30	30	30	30	29	29	28	27	24	26	27	26	28	28	29	29	29	28	28	28		682	
MAX.	12.1	13.2	14.2	15.1	15.4	15.9	16.5	9.3	8.6	8.0	6.0	5.0	4.6	4.6	4.4	5.5	6.7	7.0	8.1	9.4	10.4	10.6	11.0	11.7	7.68		17.1

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-54

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

ST. LOUIS, MO.

TOTAL HYDROCARBON
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1*																											
2*		9.0	9.3	10.1	10.8	11.3	11.4	11.1	9.5	8.4	7.3	6.5	5.8	5.3	5.5	5.5	5.5	5.1	4.9	4.5	4.7	4.7	5.2	6.0	7.26	23	12.5
3	5.8	5.9	6.8	5.8	4.8	5.4	7.4	6.4	5.8	5.3	4.9	4.4	4.8	5.4				3.6	3.6	3.4	4.2	5.5	5.7	4.7	5.16	21	7.9
4	4.8	5.3	4.9	4.1	3.7	4.3	5.8	5.3	4.8	5.1	5.3	4.9	4.7	4.7	4.8	5.1	4.7	4.1	3.8	3.4	3.2	3.3	3.0	4.5	4.48	24	6.4
5	4.1	3.7	3.5	3.9	4.3	4.1	6.4	5.6	4.6	4.6	5.3	5.0	4.8	4.8	4.7	4.9	4.7	4.3	4.1	4.3	4.0	3.9	3.7	3.5	4.43	24	6.7
6	3.6	4.2	3.7	3.9	4.2	5.0	6.0	4.8	4.4	4.6	4.7	4.7	5.1	4.6	4.7	4.8	4.9	4.3	4.1	3.9	3.8	3.6	3.4	3.1	4.32	24	6.5
7	2.9	3.5	3.2	3.6	3.8	3.8	5.5	4.9	4.7	4.9	4.9	4.9				4.9	4.9	4.4	4.4	4.4	4.5	4.5	5.6	4.7	4.42	21	6.4
8*	3.6	4.3	4.6	5.3	6.8	5.8	6.3	7.4	6.3	4.5	4.5	4.8	4.8	4.8	4.8	4.6	4.5	4.3	4.3	4.3	4.1	4.3	4.5	4.2	4.89	24	7.9
9*	4.6	4.7	3.8	5.0	5.3	5.1	4.8	3.8	3.8	3.9	4.3	4.8	5.1	5.1	5.1	4.8	4.5	4.1	4.4	3.9	4.0	4.2	5.1	3.9	4.49	24	7.0
10	4.3	4.1	3.3	3.1	3.1	4.1	4.6	5.2	4.6	4.4	4.8	4.9	4.8	5.2				4.4	4.3	4.0	4.1	4.5	3.9	3.9	4.25	21	5.6
11	3.5	2.9	2.8	2.5	2.4	2.4	2.9	3.4	3.2	3.1	3.5	3.4	3.3	3.7	3.6	3.5	3.4	3.2	3.2	3.2	3.0	3.1	3.1	2.7	3.12	24	4.0
12	2.4	2.4	2.8	2.9	3.1	3.4	3.0	2.9	2.9	3.1	2.9	2.9	2.9	4.4	4.3	3.3	2.7	2.4	2.5	2.4	2.3	2.7	2.9	3.3	2.93	24	5.1
13	3.3	3.2	3.0	3.3	3.2	3.5	4.0	4.8	3.9	3.6	3.7	4.4	5.0	4.5	4.3	4.4	4.5	3.9	3.8	3.8	3.6	3.3	3.0	3.5	3.79	24	5.3
14	3.0	3.4	3.8	3.7	3.5	4.5	4.9	5.2	4.7	4.6	4.1	4.6	4.8	4.7				4.2	4.4	4.0			4.3	3.8	4.19	19	6.4
15*		3.1	2.8	3.1	2.7	3.4	3.1	3.3	3.4	3.9	4.2	4.5	4.3	3.8	3.7	3.4	2.7	2.9	2.8			3.2	3.0	3.4	3.36	21	4.8
16*	3.1	2.9	3.0	2.6	3.2	2.6	3.1	3.4	3.1	3.0	2.7	2.8	2.9					2.4	2.3	2.4	3.4	3.0			2.84	18	3.9
17	3.6				3.7				3.5	3.6	3.5				3.3	3.5	3.7	3.2	3.0	2.9	2.9	2.9	4.3	4.5	3.46	15	5.0
18	4.0	4.3	3.7	4.4	4.1	4.9	4.8	5.4	4.4	4.5	4.3	4.3	4.2					3.7	3.5	3.4	3.3	3.2	3.4	3.2	4.03	20	5.9
19	3.2	3.2	3.0	2.9	3.4	3.8	4.0	3.9	3.8	3.6	3.6	3.7	3.6	3.4	3.3	3.8	3.8	3.0	3.1	2.8	2.8	3.1	2.6	2.9	3.33	24	5.2
20	2.7	3.1		2.9		3.0		3.4	3.4	3.5	3.7	3.9	3.6	3.6	3.7	3.6	3.9	3.5	3.4	3.3	3.2	3.2	3.1	2.8	3.34	21	4.2
21		2.4	2.3	2.9	2.8	2.9	3.8	3.8	3.5	4.0	4.0	4.1	3.7	3.8				3.8	3.9	3.8	3.7	3.6	3.9	3.4	3.50	20	4.4
22*	3.3	3.1		2.7	3.1	3.1	2.9	2.9	3.2	3.6	3.8	4.1	3.9	3.7	3.8	3.8	3.3	3.2	3.3	3.5	3.8	3.7	4.2	4.5	3.48	23	5.4
23*	3.6	3.5	3.4	3.7	3.4	3.6	3.3	3.4	3.1	3.4	4.0	4.3	4.3	4.1	4.1	4.0	3.6	3.6	3.4	3.3	3.2	3.0	3.1	3.0	3.54	24	4.5
24	2.9	2.8	2.8	2.7	2.9	3.4	3.6	3.7	4.1	4.0	3.7	3.5	3.9	4.0	4.4	4.4	4.2	3.5	3.5	3.6	3.6	3.3	3.4	3.8	3.56	24	4.9
25	4.0	4.1	3.4	3.6	3.2	3.3	3.2	3.4	3.3	3.2	3.0	2.9	3.3				3.4	3.2	3.2	3.0	2.8	3.2	3.3	2.9	3.26	21	4.7
26	2.8	2.8	3.5	2.5	2.7	2.5	3.2	3.4	3.1	3.5	2.6	3.0	3.1	3.5	3.1	3.2	3.4	2.7	2.7	2.7	2.7	3.0	3.1	2.9	2.96	24	4.2
27	2.6	2.7	2.7	2.7	2.7	2.8	2.9	3.1	3.1	3.2	2.8	2.9	3.4	3.5	2.6	3.0	3.1	2.5	2.4	3.0	3.7	4.1	4.4	4.7	3.09	24	5.4
28	4.2	4.1	3.7	4.1	3.8	3.7	4.4	4.1	3.7	3.7	3.7	4.0					4.4	3.6	3.5	3.4	3.2	3.1	3.0	3.0	3.71	20	5.4
29*	2.8	2.8	2.7	3.2	2.7	3.1	3.0	3.4	3.2	3.5	3.9	4.0	4.1	4.1	4.1	4.0	3.9	3.9	3.8	3.9	3.7	3.4	3.2	3.0	3.45	24	4.3
30*	2.9	2.8	2.6	2.5	2.5	2.5	2.6	2.9	3.3	3.7	4.1	4.3	4.3	4.3	4.9	4.4	4.1	3.9	3.9	3.8	3.6	3.3	3.3	3.1	3.47	24	5.0
MEAN	3.5	3.7	3.6	3.7	3.8	4.0	4.5	4.3	4.1	4.1	4.1	4.1	4.1	4.3	4.1	4.1	4.0	3.6	3.6	3.5	3.5	3.6	3.7	3.7	3.87		
NO.	26	28	26	28	28	28	27	28	29	29	29	28	26	23	20	21	23	29	29	28	27	28	28	28		644	
MAX.	5.8	9.0	9.3	10.1	10.8	11.3	11.4	11.1	9.5	8.4	7.3	6.5	5.8	5.4	5.5	5.5	5.5	5.1	4.9	4.5	4.7	5.5	5.7	6.0	7.26		12.5

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-55

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	3.0		2.6	2.4	2.5	2.5	3.2	3.4	3.3	3.5	3.9	3.7	3.9	4.0	3.9	4.0	4.3	3.5	3.0	2.9	3.1	4.0	4.0	4.0	3.51	23	5.3
2	3.2	3.0	3.1	3.0	2.9	3.2	3.5	3.3	3.2	3.4	3.3	3.5				4.1	3.7	3.3	3.2	2.9	2.9	3.8	3.7	4.4	3.34	24	4.8
3	3.7	4.3	4.4	4.6	4.5	4.5	4.4	3.9	3.5	3.4	3.6	3.6	3.6	3.5	3.4	3.8	3.4	2.7	2.4	2.4	2.3	3.4	3.1	4.0	3.59	24	4.8
4	4.7	6.3	6.7	6.7	6.9	6.2	5.9	4.8	3.4	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.1	3.1	3.2	4.0	3.8	4.3	4.26	24	7.6
5	3.8	3.9	4.2	3.5	4.8	4.6	5.3	4.8	4.1	4.2	4.2	4.0	4.1	4.1					2.7	2.6	2.7	3.0	2.9	2.8	3.81	20	5.7
6*	2.7	2.9	2.5	3.2	2.7	2.8	2.8	2.7	2.8	3.0	3.2	3.1	3.0	3.0	2.9	2.7	2.5	2.4	2.4	2.3	2.3	2.3	2.7	2.5	2.71	24	3.7
7*	3.0	3.7	2.9	3.3	3.3	3.0	3.2	2.9	3.2	3.6	3.3	3.3	3.2	3.3	3.3	3.3	3.1	3.0	2.9	3.0	3.1	2.7	2.7	2.5	3.10	24	4.2
8	2.4	2.4	2.9	2.9	3.3	2.9	3.9	3.9	3.9	3.9	3.9	3.7	3.6	3.0	3.1	3.2	3.6	3.0	2.9	2.8	2.7	2.5	2.7	2.5	3.14	24	5.2
9	2.4	2.9	2.3	3.0	2.9	2.8	3.5	3.4	3.4	3.6	3.7	4.1				4.3	3.9	3.3	3.4	2.7	2.4	2.6	3.4	4.2	3.23	21	6.2
10	2.9	3.1	2.8									2.9	3.1	3.5	3.0	3.1	3.0	2.7	2.4	2.3	2.3	2.6	3.0	3.0	2.84	16	4.3
11	3.2	3.3	3.1	3.7	3.4	3.9	3.1	3.4	3.4	3.4	3.2	3.1	3.1	3.0	3.1	3.0	3.1	2.9	2.7	2.7	2.9	2.9	4.0	3.8	3.22	24	4.6
12	4.4	6.4	5.2	3.8	5.6	7.2	6.1	4.7	4.6	4.2	4.0	4.0	3.9	3.9	3.4		3.1	3.2	3.3	3.1	3.3	3.3	2.9	2.5	4.16	23	8.4
13*	2.5	2.5	2.2	2.3	2.7	2.7	2.8	2.4	2.8	3.0	3.4	3.4	3.4	3.4	3.2	3.2	3.3	2.8	3.0	3.1	2.7	2.5	2.4	2.4	2.83	24	3.6
14*	2.1	2.2	2.2	2.4	2.3	2.1	2.5	2.2	2.3	2.5	2.4	2.4	2.1	2.1	2.3	2.2	2.0	2.1	2.1	2.2	2.1	2.3	2.4	2.0	2.22	24	3.2
15	2.0	2.0	2.4	2.0	2.0	2.8	3.3	3.5	3.5	3.3	3.5	3.2	3.3	3.5	3.2			4.0	3.7	3.0	2.6	2.5	2.3	2.5	2.90	22	4.8
16	2.4	2.3	2.6	2.6	3.3	3.0	4.3	3.8	3.5	3.7	3.7	3.6	3.8	3.8				3.0	3.2	3.0	2.8	2.8	2.6	2.4	3.15	21	4.7
17	2.2	2.4	2.3	2.4	2.3	2.6	3.0	3.2	2.9	2.7	2.8	2.9	2.9	3.0	3.2	3.5	3.4		3.2	3.0	2.2	2.1	3.6	3.2	2.82	23	4.1
18	2.5	2.7	2.0	2.4	2.2	2.5	3.4	3.5	3.0	2.4	2.5	2.8	2.9	2.7	2.7	2.8	2.5	2.3	2.3	2.4	2.4	2.5	2.8	3.4	2.65	24	3.9
19	3.7	2.9	2.5	2.4	2.3	2.9	2.9	3.0	3.0	3.0	2.9	2.9	2.8	3.2	2.8			2.7	2.7	2.7	2.6	2.8	2.8	2.7	2.82	22	3.9
20*	2.7	2.5	2.8	2.4	2.8	2.7	2.6	2.3	2.5	2.6	2.6	2.6	2.7	2.6	2.5	2.5	2.4	2.4	2.4	2.5	2.3	2.2	2.5	2.5	2.51	24	3.4
21*	2.3	2.5	3.1	3.1	2.9	2.7	2.7	3.1	3.3	3.4	3.4	3.6	3.5	3.6	3.8	3.6	3.4	3.5	3.3		2.6	2.5	2.6	2.6	3.08	23	3.9
22	2.7	2.6	2.6	2.5	2.4		3.4	3.5	3.4	3.1	3.2	3.7	3.7	3.7	3.8	3.7	3.5	3.3	2.9	3.0	3.0	2.8	2.6	2.3	3.09	23	4.5
23	2.3	2.4	2.7	2.7	2.5	2.4	3.0	3.2	3.3	3.3	3.3	3.3	3.4				4.0	3.5	3.5	3.1	2.7	2.6	2.8	2.6	2.96	21	4.5
24	2.4	2.4	2.6	2.3	2.2	2.5	3.2	3.1	3.1	3.2	3.1	2.6	2.5	2.6	2.4	2.9	3.2	2.6	2.6	2.4	2.4	2.8	2.8	2.3	2.66	24	4.2
25	2.2	2.6	2.0	2.4	2.2	3.2	4.3	4.2	3.4	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.3	2.3	2.5	2.4	2.4	2.3	2.2	2.66	24	5.2
26	1.9			2.2	2.6		3.3	3.1	2.9	2.9		2.6	2.6	2.6				2.7	2.7	2.5	2.5	2.5	2.6		2.62	18	3.5
27*																											
28*																											
29			3.3	3.7	3.9	4.0	3.5	3.3	3.0	3.0	3.0	2.9	2.8	2.8	2.8	3.1	3.4	2.7	2.3	2.3	2.2	2.2	2.6	2.7	2.97	22	4.2
30	2.6	3.1	2.7	2.6	2.8	2.7	3.3	3.4	3.2	3.0	2.9	2.7	2.6					2.5	2.6	2.5	2.4	2.7	2.7	2.8	2.77	20	4.0
31	2.4	2.6	2.5	2.3	2.7	2.7	3.9	3.3	3.1	2.9	2.8	2.8	2.8	3.0	3.0	3.1	3.0	2.5	2.1	2.0	2.6	3.1	2.8	3.3	2.80	20	4.3
MEAN	2.8	3.1	3.0	2.9	3.1	3.3	3.6	3.4	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.3	3.2	2.9	2.8	2.7	2.6	2.8	2.9	2.9	3.05		
NO.	28	26	28	28	28	26	28	28	28	28	27	29	27	25	22	21	23	27	29	28	29	29	29	28		649	
MAX.	4.7	6.4	6.7	6.7	6.9	7.2	6.1	4.8	4.6	4.2	4.2	4.1	4.1	4.1	3.9	4.9	4.3	4.0	3.7	3.1	3.3	4.0	4.4	4.4	4.26		8.4

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-56

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

ST. LOUIS, MO.

TOTAL HYDROCARBON
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	2.6	3.0	2.6	2.9	3.1	3.2	3.3	2.8	3.0	2.8	2.8	2.2	2.3	2.4	2.3	2.3	2.2	2.0	1.8	2.2	2.4	2.6	3.0	4.3	2.65	24	5.0
2	4.4	4.6	5.5	5.2	5.3	5.3	5.2	5.3	3.5	2.8	2.5	2.5	2.6	2.7	2.9	2.7			1.7	1.8	1.9	1.8	1.6	1.5	3.30	22	6.6
3*	1.5	1.6	1.6	1.8	1.5	1.7	1.9	1.8	1.8	1.4	1.5	1.9	2.0	2.1	2.3	2.1	2.1	2.2	2.0	2.0	2.1	1.9	1.7	1.8	1.81	24	2.8
4*	1.6	1.7	1.6	1.5	1.5	1.5	2.1	1.6	1.5	1.7	2.0	2.2	2.4	2.4	2.3	2.3	2.1	2.3	2.3	2.3	2.4	2.3	1.8	1.8	1.94	24	2.6
5	1.6	1.6	1.7	1.8	1.9	2.1	2.9	2.9	2.6	2.8	3.0	3.1	2.9	3.0	2.7	3.1	2.8	2.3	2.4	2.3	2.2	2.1	2.1	1.8	2.40	24	3.6
6	1.9	1.9	2.1	2.0	2.0	2.2	2.9	3.4	2.2	2.4	2.0	2.2	2.1	2.0	2.2	2.1	2.2	2.1	2.0	1.9	1.7	1.7	1.6	1.6	2.08	24	3.6
7	2.0	1.6	1.6	1.5	1.6	2.2	3.3	3.0			3.0	2.7	3.0	3.0	3.2	2.9	2.6	2.7	2.9	2.3	2.3	2.1	2.8	2.4	2.49	22	4.8
8	2.4	2.4	2.4	2.4	2.1				2.8	2.8	3.0	2.9	2.8	2.4	2.7	3.9	4.9	3.7	4.0	3.8	3.8	3.0	2.8	2.2	3.00	21	6.1
9	2.2	2.2	3.0	4.4	2.2	2.5	2.7	2.7	2.5	2.6	2.2		1.9	2.0	2.3	2.1	2.0	1.6	1.9	1.9	1.9	1.7	1.8	1.8	2.26	23	5.7
10*	1.7	2.2	1.9	2.0	1.4	1.4	1.5	1.4	1.3	1.4	1.4	1.3	1.4	1.4	1.4	1.3	1.3	1.4	1.1	1.6	1.2	1.3	1.1	1.1	1.44	24	7.7
11*	1.2	1.2	1.0	1.2	1.1	1.2	1.2	1.3	1.4	1.5	1.8	2.0	2.2	2.3	2.5	2.5	2.3	2.1	2.1	2.1	2.1	2.0	2.1	2.1	1.76	24	2.8
12	2.0	1.9	1.9	1.8	1.9	2.1	3.0	3.1	2.5	2.4	2.3	2.3	1.9	2.0	2.1	2.5	2.6	2.3	2.4	2.3	2.5	2.4	2.4	2.4	2.28	24	3.9
13	2.4	2.4	3.9	2.9	3.0	3.1	2.9	3.5	3.0	2.7	2.3	2.1	2.1	2.2	2.3	2.6	2.5	2.1	2.3	2.0	1.9	2.1	2.2	2.1	2.52	24	5.2
14	2.0	2.0	2.0	2.1	2.3	4.3	2.4	2.3	2.1			2.6	2.6	2.5	2.6	2.8	3.0	2.5	2.3	2.3	2.2	2.1	2.3	2.4	2.34	22	3.5
15																											
16																											
17*		2.7	2.5	2.3	2.7	2.7	2.6	3.4	3.1			3.5	3.9	4.0	3.9	3.6	3.3	3.1	3.0	3.2	2.8	2.7	2.9	3.0	3.05	21	4.3
18*	4.0	3.7	3.3	2.8	3.2	3.0	3.1	3.4	3.0	3.2	3.4	3.6	3.5	3.3	3.3	2.6	2.9	2.9	2.5	2.4	2.5	2.5	2.4	2.5	3.00	24	4.2
19	2.5	2.3	2.3	2.1	2.3	2.5	3.5	3.6	3.3		4.1	3.9	3.8	3.6	3.5	3.8	3.7	2.9	2.9	2.9	2.5	2.3	2.1	2.0	2.96	23	4.7
20	1.9	1.8	1.8	1.7	1.9	2.6	3.6	3.3	3.0	3.4	3.4	3.3	3.2	3.5	3.7	4.1	3.8	3.1	2.8	2.8	2.9	3.3	2.8	2.4	2.91	24	5.0
21	2.2	2.2	2.8	2.5	3.4	3.5	3.9	3.7					2.8	5.8	9.2	6.1	5.6	4.3	3.6	3.3	2.9	2.5	2.5	2.2	3.74	20	11.2
22	2.1	2.0	2.1	2.1	2.4	2.8	3.7	3.3	2.9	2.7	2.7	2.9	3.0	2.9	3.2	3.5	2.8	2.3	2.5	2.3	2.4	2.2	2.4	2.3	2.63	24	4.8
23	2.1	2.1	1.9	2.0	2.3	2.1	2.9	3.1	2.5	2.6	2.7	2.8	2.7	2.8	2.7	2.9	2.5	2.7	2.7	2.5	2.4	2.1	2.4	2.0	2.46	24	6.1
24*	2.1	1.8	1.7	1.7	1.8	1.7	1.6	1.5	1.8			2.4	2.3	2.2	2.1	2.2	2.3	2.4	2.3	1.8	1.8	1.7	1.5	1.4	1.88	22	2.7
25*	1.4	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.6			2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	2.0	2.1	2.1	2.5	2.6	1.88	22	2.8
26	2.7	2.6	2.6	2.6	2.7	2.9	3.6	3.5	3.1	3.2	3.1	3.2	3.7	3.2	3.2	3.2	3.1	2.7	2.9	2.7	2.9		2.5	2.5	2.95	23	4.1
27	2.4	2.4	2.5	2.4	2.3	2.8	3.0	2.8	2.6	2.5	2.5	2.5	2.7			2.9	3.0	2.4	2.5	2.2	2.3	3.0	2.8	2.7	2.60	22	3.8
28	2.5	2.7	2.6	2.7	2.8	2.8	3.6	3.6	3.0	2.8	2.9	2.8	2.8	2.8	3.8	3.2	2.8	2.5	2.3	2.2	2.1	2.2	2.1	2.5	2.75	24	4.8
29	2.4	2.2	2.4	2.6	2.5	4.6	3.4	3.1	3.1	2.9	3.5	3.2	2.9	3.8	4.3	3.7	3.1	2.5	2.4	2.7	2.7	2.7	2.8	2.6	2.91	24	4.8
30	2.9	3.0	3.2	3.1	3.6	3.7	4.4	4.5	3.7	3.5	3.4	3.0	2.9	3.0	3.1	3.4	3.2	2.6	2.4	2.5	2.7	2.9	3.2	3.0	3.19	24	5.2
31*	3.2	3.4	3.1	2.9	3.0	3.0	3.3	3.4	2.8	2.8	2.6	2.6	2.6	2.7	2.7	2.9		2.6	2.9	3.2	3.0	3.3	3.1	3.0	2.93	23	3.8
MEAN	2.3	2.3	2.4	2.3	2.4	2.5	3.0	2.9	2.6	2.6	2.7	2.7	2.7	2.8	3.0	3.0	2.8	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.55		
NO	28	29	29	29	29	28	28	28	27	22	24	27	29	28	28	29	27	28	29	29	29	28	29	29		670	
MAX	4.4	4.6	5.5	5.2	5.3	5.3	5.2	5.4	3.7	3.5	4.1	3.9	3.9	5.8	9.2	6.1	5.6	4.3	4.0	3.8	3.8	3.3	3.2	4.3	3.74		11.2

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-57

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS,MO.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	2.9	2.8	2.8	2.7	2.7	2.8	2.7	2.9	2.9	3.2	3.4	3.4	3.4	3.4		3.6	3.2	2.9	2.8	2.9	2.9	3.1	4.3	4.3	3.14	23	4.7
2	3.1	3.1	3.4	2.9	3.1	3.3	3.2	3.0	3.1	3.3	3.5	3.3	3.0	2.8	4.2	3.0	3.1	2.6	2.8	2.8	2.8	3.2	2.9	2.4	3.19	24	6.7
3	2.6	4.6	2.5	2.8	3.7	4.3	5.4	5.9	4.0	3.6	3.6	3.3	3.3	3.2			2.7	2.9	2.9	3.1	2.9	2.9	2.9	3.4	3.34	22	6.4
4	2.8	3.2	2.9	3.1	2.7	3.1	3.4	3.7	3.4	3.1	3.0	2.8	3.2	3.2	3.2	3.6	3.8	2.7	2.6	2.9	3.0	2.9	2.8	2.5	3.05	24	4.6
5	2.6	2.5	2.3	2.3	2.4	2.4	2.7	2.9	3.1	3.3	3.3	2.9	2.8	2.7	2.7	2.5	2.5	2.3	2.3	2.4	2.8	3.7	3.9	3.0	2.75	24	4.1
6	2.6	4.5	2.6	2.7	3.1	2.9	2.9	3.5	3.3	3.3	3.2	2.9	3.0			2.2	2.7	2.5	2.4	2.3	2.4	2.6	3.2	2.9	2.79	22	3.7
7*	2.9	3.1	2.9	2.3	2.1	2.1	2.2	2.4	3.2	2.9	2.9	2.9	2.9	2.8	2.8	2.4	2.0	2.6	2.1	2.0	2.0	2.1	1.7	1.6	2.45	24	3.7
8*	1.5	2.0	1.8	1.6	1.7	1.9	2.0	1.8	2.0	2.0	2.0	2.0	2.1	1.9	2.7	2.0	2.0	1.8	1.6	1.2	1.1	1.1	1.1	1.0	1.73	24	4.7
9	1.2	1.4	1.3	1.4	1.4	1.5	1.7	2.0	2.0	2.0	1.9		1.8	1.8	2.3	1.7	1.5	1.2	1.3	1.3	1.2	1.4	1.5	1.4	1.57	23	2.6
10	1.4	1.4	1.4	1.3	1.1	1.0	1.2	1.3	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.0	1.0	1.1	0.8	1.6	1.9	1.2	1.21	24	2.3
11	1.2	1.3	1.3	1.5	1.6	1.5	1.8	1.9	1.5	1.5	1.3	1.1	1.0	1.0	1.1			8.9	12.0	11.1	11.3	10.5	10.1	9.9	4.29	22	12.6
12	8.4	7.8	6.8	7.3	7.5	7.7	9.3	9.6	10.0	7.4	7.2						5.1	4.9	5.1	5.4	5.3	6.6	6.6	6.6	7.08	19	12.4
13	6.9	7.6	7.3	6.8	6.4	6.7	7.6	7.6	7.9	7.6	7.1	6.3	4.9	4.3	4.4		3.0	3.9	4.7	6.5	4.8	4.6	5.1	5.1	5.96	23	9.9
14*	4.6	4.9	4.9	5.0	6.5	6.4	8.3	8.9	6.7	5.7	5.2	4.8	4.7	4.6	4.6	4.1	3.9	4.0	4.5	4.5	5.4	5.3	5.9	4.2	5.28	24	14.9
15*	4.0	3.9	3.8	4.2	4.8	4.8	5.0	5.6	4.7	4.8	4.6	4.4	4.4	4.4	4.4	4.4	4.2	4.1	3.9						4.43	19	5.9
16																											
17		4.5	3.9	3.6	3.8	4.3	5.6	4.9	4.5	4.8	4.7	4.5	4.1	4.0			3.8	4.0	3.7	3.5	3.2	3.2	3.2	3.1	4.02	21	6.3
18			3.7	3.4	3.2	3.4	3.9	4.1	3.9	4.0	3.8	3.9	3.3	3.2	3.4			3.6	3.5	3.2	3.1	3.2	3.2	3.1	3.49	20	4.8
19	2.9	2.9	2.9	2.9	2.8	2.8	3.5	4.3	4.0	3.6	3.8	3.9	3.8	4.0	3.7	4.2	5.0	3.6	3.3	3.5	3.9	3.9	3.7	3.6	3.60	24	7.1
20	4.0	4.9	4.7	4.5	4.9	4.3	5.9	5.5	5.2	5.4	5.2	4.3	3.8				4.1	4.1	4.3	4.2	3.9	3.8	3.9	3.6	4.48	21	7.1
21*	3.5	3.4	3.4	4.1	4.1	3.9	3.7	4.0	4.1	4.0	4.2	4.1	4.1	4.3	4.3	4.0	3.8	4.1	4.1	4.2	3.9	3.7	4.3	4.1	3.95	24	4.8
22*	4.2	3.6	3.5	3.6	3.9	4.3	5.4	4.7	4.4	4.1	4.4	4.5	4.5	4.5	4.4	4.3	4.1	3.9	3.9	3.7	3.9	4.5	4.2	4.4	4.19	24	6.0
23	4.1	4.1	3.9	3.7	3.9	3.7	5.4	5.6	4.5	4.6	4.6	3.9	3.5	3.5			3.4	3.6	4.1	3.8	3.5	3.3	3.3	3.6	3.97	22	7.5
24	3.3	4.1	4.1	3.3	3.4	3.4	4.0	4.1	3.8	3.5	3.3	2.8			3.4	3.9	3.4	3.8	3.7	3.6	3.9	4.1	3.9	3.4	3.65	22	5.2
25	2.9	2.9	2.9	2.9	3.0	3.1	3.9	5.4	5.6	5.6	4.7	3.5	3.0	3.1	2.9			3.1	3.3	3.1	3.3	3.6	3.4	3.4	3.56	22	6.1
26	3.4	3.4	3.2	2.9	3.2	3.5	4.3	4.0	3.8	3.5	3.6	3.2	3.0	2.5	2.7	2.8	2.5	2.4	2.7	2.7	2.6	2.7	2.9	2.8	3.09	24	6.5
27	3.0	3.1	4.6	6.3	6.5	7.1	7.8	7.8	6.3	5.3	3.6	3.2				3.1	3.2	3.3	3.6	4.3	5.3	6.1	5.8	3.7	4.88	21	8.5
28*	3.8	4.4	4.9	4.7	4.3	3.2	3.1	3.2	3.7	3.7										3.4			3.8	3.5	3.82	13	5.4
29*	2.9	2.9	2.9	2.9	2.8	2.7	3.1	3.6	3.4	3.9	4.1	4.2	4.0	3.9	3.6	3.2	2.8	3.1	3.4	3.6	3.9	4.6	4.7	4.4	3.51	24	4.9
30	5.1	5.1	4.6	4.1	4.4	4.4	5.4	6.0	4.8	4.6	3.7	3.0	3.4	3.2	3.3	3.1	3.0	2.9	3.7	3.5	3.3	3.4	3.2	3.0	3.91	24	8.1
MEAN	3.4	3.6	3.5	3.5	3.6	3.7	4.3	4.4	4.2	4.0	3.8	3.5	3.3	3.2	3.3	3.2	3.2	3.3	3.5	3.6	3.6	3.8	3.8	3.5	3.63		
NO.	27	28	29	29	29	29	29	29	29	29	28	26	25	23	20	19	25	28	28	28	27	27	28	28		647	
MAX.	8.4	7.8	7.3	7.3	7.5	7.7	9.3	9.6	10.0	7.4	7.2	6.3	4.9	4.6	4.6	5.0	5.1	8.9	12.0	11.1	11.3	10.5	10.1	9.9	7.08		14.9

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-58

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

ST. LOUIS, MO.

TOTAL HYDROCARBON
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	3.1	3.0	2.9	2.8	2.9	3.1	4.0	4.8	3.6	3.7	3.4	2.9	2.7		2.8	3.2	3.2	2.9	2.8	2.8	2.7	2.9	2.9	2.7	3.07	23	4.9
2	2.6	2.7	2.7	2.8	2.7	2.7	3.6	3.7	3.5	3.4	3.4	3.0	2.6	2.7	2.9	3.4	3.6	2.9	2.9	2.9	3.1	2.8	2.6	2.5	2.97	24	4.3
3	2.2	2.1	2.0	1.9	1.9	2.0	2.4	2.6	2.6	2.5	2.4	2.3	2.0		2.1	2.0	2.1	1.9	2.0	2.2	2.4	2.3	2.4	2.4	2.20	23	2.8
4	2.9	2.9	2.7	2.6	2.8	2.9	3.2	3.6	3.3	2.9	2.1	1.9			2.3	2.7	2.7	2.6	2.6	3.0	2.8	3.0	3.2	3.8	2.80	22	4.6
5*	3.8	4.0	3.4	2.9	3.1	3.1	2.9	3.1	2.9	2.9	2.8	2.6	2.5	2.6	2.6	2.7	2.6	2.7	2.8	2.8	2.6	2.6	2.5	2.5	2.87	24	4.4
6*	2.5	2.4	2.3	2.3	2.2	2.3	2.4	2.4	2.3	2.3	2.3	2.4	2.4	2.4	2.5			2.4	2.8	2.6	2.5	2.6	2.4	2.7	2.41	22	3.0
7	3.1	3.6	3.7	3.1	3.3	4.3	5.3	5.0	4.4	3.5	3.0	2.8	3.1	3.0	3.1	3.3	3.6	3.1	3.1	3.1	3.0	2.8	2.8	2.7	3.38	24	5.6
8	2.6	4.7	2.6	2.6	2.5	4.6	3.1	3.4		2.4	2.5	2.1	2.1	2.1	2.2	3.1	3.5	2.9	3.0	3.1	2.8	2.8	2.9	2.8	2.69	23	4.0
9	3.0	2.6	2.5	2.5	2.4	2.5	3.5	4.9	4.0	3.8	3.6	3.6	3.1	3.2	3.6	3.0	2.7	2.4	2.4	2.3	2.1	2.1	2.3	2.4	2.93	24	6.2
10	2.3	2.1	2.2	2.3	2.3	2.4	2.7			3.0	2.4	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.14	22	3.4
11	2.0	2.0	2.0	2.0	2.1	2.0	1.9	1.9	2.1	2.1	2.1	2.1	2.0	2.2	2.8	2.9	3.3	3.1	3.2	2.9	3.1	3.4	3.1	2.8	2.45	24	4.1
12*	2.8	2.8	2.6	2.6	2.8	3.0	3.3	3.6	3.4	3.3	3.0	2.9	2.9	3.0	2.9	2.9	2.8	2.6	2.7	2.8	3.5	3.6	3.4	3.3	3.00	24	3.9
13*	3.1	3.0	3.0	2.8	2.7	2.5	2.8	3.4	3.0	3.3	3.1	3.1	3.0	2.7	2.7	2.8	2.7	2.9	3.1	3.1	3.1	2.8	2.6	2.5	2.87	24	3.7
14	2.6	2.8	2.5	2.6	2.6	2.7	3.2	4.9	4.5	4.6	4.4	3.4	3.2	3.3	3.4	3.6	3.4	3.3	2.8	2.6	2.6	2.7	2.6	2.4	3.15	24	5.4
15	2.3	2.6	2.5	2.5	2.7	2.8	3.3	3.7	3.5	3.3	3.5	3.2	3.3	3.2			3.1	2.9	2.6	2.6	2.4	2.6	2.5	2.5	2.88	22	3.9
16	2.5	2.4	2.4	2.4	2.5	4.7	3.1	3.4	2.9	2.9	2.8	2.9	2.6	2.7	2.8	3.1	3.1	2.6	2.8	2.6	2.5	2.5	2.6	2.4	2.70	24	3.9
17	2.4	2.3	2.3	2.3	2.3	2.6	3.1	3.4	3.3	3.1	2.6	2.2	2.0	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.3	2.8	2.7	2.45	24	3.8
18	2.4	2.3	2.6	2.7	2.5	4.7	3.0	3.5	3.2	2.8	2.4		2.4	2.5	2.4	2.5	2.5	2.6	3.0	3.4	3.6	2.9	2.6	2.4	2.72	23	3.9
19*	2.4	2.3	2.2	2.4	2.4	2.5	2.8	2.8	2.9	2.7					2.0	1.9	2.1	2.4	3.0	3.8	4.2	5.4	5.9	5.8	3.08	20	6.4
20*	5.2	4.1	4.1	4.1	4.1	4.3	3.8	2.7	2.4	2.2	1.9	2.0	2.1	1.9	2.0	1.9	2.0	2.1	2.4	2.6	2.9	4.5	4.8	5.4	3.12	24	6.4
21	4.6	3.4	3.0	3.1	3.0	3.0	3.7	3.7	3.5	3.0		2.9	2.8	3.1	3.0	3.2	3.0	2.6	2.6	2.4	2.1	2.4	2.5	2.3	2.98	23	5.2
22	2.2	2.2	2.2	2.3	2.1	2.0	2.1	2.3	2.2	2.0	2.2	2.1	2.0					2.2	2.4	2.4	2.4	2.4	2.7	2.5	2.24	20	2.8
23	2.5	2.6	4.4	2.4	2.4	2.7	3.1	3.4	3.3	3.3	3.1	2.9	2.6	2.4	2.7	3.0	2.8	2.9	2.6	2.9	2.2	1.9	2.2	2.5	2.68	24	3.7
24	2.4	2.5	2.3	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.9	1.9	2.0	2.1	2.1	2.1	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.98	24	2.6
25	2.0	2.0	2.0	2.0	2.0	2.2	2.6	2.9	2.7	2.6	2.5						2.5	2.5	2.7	2.7	2.8	3.5	5.0	4.4	2.71	19	5.7
26*	3.7	3.2	2.9	3.5	3.2	3.0	3.4	3.4	3.3	3.3	2.7	2.5	3.0	2.6	2.5	2.5	2.6	3.0	2.9	3.0	3.0	2.9	2.9	2.8	2.97	24	4.2
27*	2.8	2.8	2.8	2.8	2.7	2.6	2.5	2.6	2.6	2.4	2.4	2.4	2.4	2.5	2.4	2.6	2.6	2.6	2.5	2.4	2.4	2.3	2.3	2.4	2.52	24	2.9
28	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.5	2.8	2.8	2.8	3.3	3.0	3.2	3.3	3.0	3.0	3.1	2.9	2.7	2.7	2.8	2.8	2.9	2.74	24	4.6
29	3.0	3.1	3.1	3.0	3.1	3.3	3.5	3.7	3.6	3.5	3.4	3.3	3.2				3.5	3.9	3.0	2.8	2.4	2.3	2.4	2.4	3.12	21	4.5
30	2.5	2.5	2.5	2.5	2.5	2.4	2.5	3.4	3.4	2.9	3.6	3.2	2.9	2.7	2.7	3.3	3.5	3.9	2.8	2.6	2.4	2.5	2.4	2.4	2.81	24	5.6
31	2.6	3.1	2.5	2.5	2.6	3.0	3.2	4.7	4.0	3.9	3.4	3.0	2.5	3.0	3.0	2.9	3.8	5.3	3.9	2.5	2.3	2.3	2.1	2.2	3.08	24	7.3
MEAN	2.8	2.7	2.6	2.6	2.6	2.7	3.0	3.3	3.1	2.9	2.8	2.7	2.6	2.6	2.6	2.7	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.8	2.77		
NO	31	31	31	31	31	31	31	30	29	31	29	28	28	24	27	26	29	31	31	31	31	31	31	31		715	
MAX	5.1	4.1	4.1	4.1	4.1	4.3	5.3	5.0	4.5	4.6	4.4	3.6	3.3	3.3	3.6	3.6	3.8	5.3	3.9	3.8	4.2	5.4	5.9	5.8	3.38		7.3

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-59

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	2.1	2.1	2.0	1.9	1.9	1.9	2.1	3.0	2.9	2.8	2.6	2.6	2.5	2.6		2.5	2.9	3.0	2.9	3.1	3.5	3.3	3.4	3.5	2.63	23	4.6
2*	3.4	3.2	3.2	3.3	3.3	2.8	2.6	2.9	2.7	2.7	3.0	2.7	2.5	2.5	2.6	2.5	2.4	2.9	2.4	2.0	2.0	1.8			2.71	22	3.7
3*	1.8	1.7	1.4	1.4	1.4	1.4	1.6	1.5	1.6	1.7	1.6	1.6	1.7	1.7	1.6	1.7	1.7	1.6	1.7	1.7	1.6	1.6	1.6	1.5	1.58	24	2.0
4	1.5	1.4	1.4	1.5	1.5	1.6	1.6	1.8	1.9	2.-	2.1	2.2	2.1	2.2	2.3	2.6	2.2	2.7	2.9	3.3	3.0	4.0	5.1	4.2	2.37	24	6.0
5	5.7	5.1	3.8	3.2	5.8	5.7	5.9	6.7	5.1	6.3	4.7	3.8	3.2	2.4	2.1			3.2	2.3	2.2	2.7	2.1	2.1	2.2	3.94	22	9.8
6	2.1	1.8	2.0	1.8	1.6	1.6	1.7	2.3	2.1	1.8	1.8	2.0	2.0	1.9	1.9	1.8	2.0	2.0	1.7	1.6	1.4	1.4	1.4	1.3	1.77	24	3.1
7	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.2	1.6	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.6	1.7	1.3	1.2	1.1	1.1	1.1	1.6	1.34	24	5.8
8	1.2	1.1	1.0	0.9	0.9	0.8	0.9	1.5	1.7	1.5	1.4	1.3	1.3			2.2	2.2	2.2	2.1	2.0	2.0	2.0	1.9	1.9	1.54	22	2.2
9*	2.0	2.0	1.9	1.9	1.8	1.8	1.8	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.1	2.0	2.0	2.0	1.9	2.1	2.4	2.00	24	3.9
10*	2.2	2.3	2.7	2.5	2.9	3.4	2.5	2.4	2.3	2.2	2.0	2.0	2.2	2.2	2.0	2.2	3.1	2.1	2.1	2.0	1.9	1.7	1.7	1.7	2.26	24	4.9
11	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	1.9	1.9	1.8	1.8	1.8	1.86	24	2.1
12	1.8	1.8	1.8	1.8	1.9	1.7	1.7	2.1	2.5	2.8	2.6	2.4	2.1	2.1			2.4	2.5	2.3	2.2	2.9	3.1	4.9	9.1	2.64	22	11.3
13	3.9	5.3	6.6	2.3	3.3	5.9	2.5	3.-	3.0	2.6	2.6	2.3	2.3	2.3	2.4	2.6	2.5								3.24	17	12.3
14																											
15																											
16*		2.1	2.0	2.0	2.0	1.9	2.0	2.5	2.7	2.5	2.5	2.3	2.2	2.1	2.2	2.1	2.4	2.3	2.1	2.2	2.1	2.1	2.2	2.2	2.19	23	3.2
17*	2.3	2.1	2.2	2.5	2.5	2.7	3.2	3.1	2.9	2.1	2.3	2.1	2.0	2.1	2.1	2.3	1.9	1.9	2.1	2.2	1.8	1.8	1.7	2.3	2.24	24	4.9
18	1.8	1.6	1.6	1.6	1.6	1.6	1.7	2.-	2.4	2.6	2.5	2.2	2.0	2.0	2.0	2.1	2.1	2.0	1.8	1.6	1.7	1.7	1.7	1.9	1.90	24	3.3
19	1.7	1.7	1.5	1.6	1.5	1.6	1.6	1.9	2.0	2.2	2.1	2.1	2.2		2.1	2.2	2.5	2.2	2.0	2.0	2.0	2.0	2.1	2.3	1.95	23	3.0
20	2.2	2.0	2.0	1.9	1.8	1.9	1.9	2.1	2.4	2.4	2.5	2.2	2.2	2.2	2.3	2.4	2.5	2.4	2.8	2.4	2.9	2.8	2.5	2.4	2.28	24	3.4
21	2.6	2.6	2.5	2.4	2.2	2.4	2.5	3.2	3.1	3.2	3.1	3.0	2.7	2.6	2.8	2.8	3.0	3.2	2.7	2.6	2.8	3.2	2.7	2.7	2.76	24	4.4
22	2.7	2.8	2.9	3.7	4.1	4.2	4.8	6.7	6.0	4.8	3.2	2.7	2.5			2.6	3.6	3.3	2.4	2.6	2.6	2.4	2.6	2.9	3.45	22	8.8
23*	2.7	2.2	2.1	2.1	1.9	2.0	2.3	2.5	2.7	2.6	2.4	2.3	2.2	2.3	2.2	2.3	2.3	2.3	2.4	2.3	2.5	2.4	2.2	2.2	2.31	24	3.3
24*	2.0	1.9	1.8	1.8	1.9	1.9	2.0	2.2	2.2	1.9	2.1	2.0	2.0	2.1	2.1	2.3	2.2	2.3	3.1	2.9	2.6	2.1	2.0	2.1	2.13	24	4.7
25	2.2	2.2	2.3	2.3	2.6	2.6	3.0	4.0	5.8	5.0	4.3	2.9	2.9	2.6	2.5	2.7	3.2	3.5	2.5	2.1	2.2	2.1	2.2	2.3	2.89	24	6.9
26	2.5	2.1	1.8	1.6	1.9	1.8	2.1	3.0	3.2	2.8	2.9	2.6	2.5	2.6			2.5	2.2	2.0	2.0	2.0	1.9	1.9	1.9	2.25	22	4.2
27																											
28																											
29																											
30*																											
MEAN	2.3	2.2	2.2	2.0	2.2	2.3	2.3	2.7	2.8	2.7	2.5	2.3	2.2	2.2	2.2	2.2	2.4	2.4	2.2	2.2	2.2	2.2	2.3	2.6	2.32		
NO.	23	24	24	24	24	24	24	24	24	24	24	24	24	21	19	21	23	23	23	23	23	23	22	22		554	
MAX.	5.7	5.3	6.6	3.7	5.8	5.9	5.9	6.7	6.0	6.3	4.7	3.8	3.2	2.6	2.8	2.8	3.6	3.5	3.1	3.3	3.5	4.0	5.1	9.1	3.94		12.3

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U.S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-60

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

ST. LOUIS, MO.

TOTAL HYDROCARBON
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2																											
3																											
4		1.6	1.5	1.6	1.6	1.6	1.8	2.6	3.0	3.2	3.3	2.5	2.3	2.4	2.3	2.9	3.6	2.8	1.9	1.7	1.7	1.5	1.3	1.2	2.17	23	4.9
5	1.0	1.2	1.2	1.1	1.1	1.1	1.2	1.5	1.7	1.9	1.9	1.6	1.5	1.6	1.7	1.8	1.9	1.9	1.7	1.6	1.7	1.6	1.7	2.0	1.54	24	2.7
6	1.9	1.7	1.6	1.6	1.7	1.7	3.2	4.6	4.4	3.1	2.2	2.2	2.2	2.1	2.0			2.9	3.1	2.9	2.6	3.2	3.6	3.9	2.64	22	6.0
7*	2.4	3.5	3.5	3.5	2.4	1.9	1.8	2.0	1.9	2.0	2.0	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.9	1.9	1.8	2.0	2.22	24	6.8
8*	1.9	2.0	2.1	2.1	1.9	1.9	2.0	2.1	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.9	2.1	2.1	2.2	2.3	2.2	2.0	2.3	2.5	2.04	24	3.0
9	2.2	2.0	2.1	2.0	2.3	2.1	2.5	3.2	2.9	2.7	2.5	2.3	2.1	2.2	2.3	2.4	3.6	2.9	2.2	2.1	2.1	2.1	2.1	2.1	2.36	24	5.7
10	2.0	2.1	2.0	2.0	2.1	2.0	2.3	3.9	3.8	3.0	2.9	3.0	2.8				4.1	4.7	3.3	3.4	3.2	2.8	2.6	2.7	2.86	21	8.4
11	2.5	2.6	2.4	2.3	2.4	3.2	3.1	3.5	4.4	3.4	3.0	2.8	2.8	3.7	3.1	2.9	2.9	2.7	2.6	2.4	2.4	2.5	2.3	2.3	2.84	24	5.8
12	2.9	2.3	2.3	2.3	2.3	2.3	2.4	3.0	3.1	2.9	2.8	2.7	2.6	2.5	2.6	2.6	3.1	2.9	2.3	2.2	2.2	2.2	2.0	2.1	2.49	24	3.7
13	2.1	1.9	1.9	1.9	1.9	1.8	1.9	2.1	2.6	2.9	2.3	2.6				1.9	1.9	2.0	1.8	1.7	1.6	1.6	1.6	1.7	1.8	1.97	22	3.2
14*	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.9	1.6	1.7	1.6	1.6	1.5	1.5	1.6	1.7	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.54	24	2.6
15*	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.4	1.3	1.3	1.3	1.9	1.7	1.5	1.4	1.3	1.3	1.4	1.6	1.7	1.42	24	3.8
16	2.1	2.8	2.5	2.2	2.5	4.3	2.5	2.9	2.7	2.0	2.4	2.2	1.9	1.9	1.8	1.9	2.6	3.2	2.3	2.2	2.2	1.9	1.8	2.3	2.28	24	4.1
17	2.3	2.0	1.8	1.5	1.6	1.6	1.6	2.4	2.2	1.8	1.8	1.6	1.6		1.6	2.1	2.4	2.6	1.7	1.5	1.5	1.5	1.4	2.0	1.81	23	4.2
18	1.5	1.1	1.4	1.5	1.5	1.4	1.6	2.9	3.9	3.5				2.7	2.5	2.6	3.0	3.6	2.2	2.5	2.2	1.8	1.8	1.8	2.21	21	6.3
19	1.7	1.8	1.8	1.8	1.7	1.6	1.7	2.0	2.1	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.2	2.0	1.9	1.8	1.8	1.7	1.8	1.9	1.83	24	2.6
20	1.8	1.7	1.7	1.7	1.6	1.7	1.9	2.4	2.7		2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.03	23	3.1
21*	2.1	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.0	2.0	2.0	2.0	2.0	1.9	2.04	24	2.2
22*	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1	2.1	2.0	1.94	24	2.1
23	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.7	1.5	1.5	1.5	1.6	1.5	1.6	1.89	24	2.1
24	1.6	1.6	1.6	1.6	1.6	1.7	1.7	2.1	2.2	2.3	2.1	2.0	2.0	1.8	1.7		1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.80	23	2.9
25	1.7	1.7	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.4	1.6	1.6	1.6	1.5	1.5	1.6	1.7	2.0	1.6	1.6	1.6	1.6	1.6	1.7	1.60	24	2.1
26	1.5	1.5	1.7	1.6	1.6	1.7	1.9	2.5	2.5	2.3	2.1	2.7	2.5	2.3	2.6	2.5	2.7	2.6	2.1	2.1	1.9	1.6	1.7	1.8	2.07	24	4.3
27	1.7	1.7	1.6	1.5	1.5	1.6	1.8	2.9	3.5	3.3	3.2	3.2	2.8	2.7											2.35	14	5.2
28*																											
29*		1.6	1.6	1.6	1.6	1.7	1.7	1.9	1.9	2.0	1.9	2.0	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.9	2.0	2.2	1.84	23	2.3
30	2.0	1.9	1.8	1.8	2.0	2.0	2.0	2.4	2.9	3.5	3.5	3.1	2.8	3.2	4.2	3.7	3.3	2.2	1.9	1.9	1.8	1.9	1.9	1.9	2.49	24	5.7
31	1.9	1.8	1.8	1.8	1.8	1.8	1.9	2.4	2.2	2.4	2.4	2.2	2.2	2.2	2.3	2.3			2.0	2.0	1.9	1.9	1.9	1.9	2.02	22	3.0
MEAN	1.9	1.9	1.9	1.9	1.8	1.8	2.0	2.4	2.6	2.4	2.3	2.2	2.1	2.1	2.1	2.2	2.4	2.4	2.0	2.0	1.9	1.9	1.9	2.0	2.08		
NO.	25	27	27	27	27	27	27	27	27	26	26	26	25	24	25	23	24	25	26	26	26	26	26	26		621	
MAX	2.9	3.5	3.5	5.5	2.8	3.2	3.2	4.6	4.4	3.5	3.5	3.2	2.8	3.7	4.2	3.7	4.1	4.7	3.3	3.4	3.2	3.2	3.6	3.9	2.86		8.4

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-61

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS.MO.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3		.01		.01	.00	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.03	.02	.02	.02	.01	.02	.01	.01	.01	.015	22	.09
4	.01	.01		.03	.02	.02	.02	.03	.03	.02	.02	.02						.01	.00	.00	.00	.00	.00	.00	.013	18	.03
5	.00	.00		.01	.01	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.007	23	.03
6*	.02	.01		.02	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.009	23	.03
7*	.00	.00		.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.003	23	.02
8	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01	.00	.01	.002	23	.03
9	.01	.01			.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.05	.04	.03	.03	.03	.03	.01	.02	.022	22	.09
10	.01	.00		.01	.01	.00	.00	.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.01	.003	19	.02
11	.00	.00		.00	.00	.00	.00	.00	.00	.02	.01	.01	.01	.01	.01	.02	.03	.02	.02	.02	.01	.01	.01	.01	.009	23	.07
12	.02	.02		.02	.01	.02	.03	.06	.05	.04	.04	.04	.03	.02					.01	.01	.02	.01	.01	.01	.024	19	.10
13*	.01	.02			.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02	.01	.02	.01	.01	.01	.01	.01	.01	.012	22	.03
14*	.01	.01		.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01			.02	.02	.03	.03	.03	.02	.018	21	.03
15							.03	.03	.04	.04	.05	.05	.06	.07				.01	.01	.01	.00	.00	.01	.01	.028	15	.07
16	.01	.02		.02	.02	.02	.01	.05	.06	.04	.02	.02	.01				.04	.03	.03	.02	.03	.02	.03	.02	.027	20	.08
17	.02	.02			.01	.02	.04	.07	.05	.03	.03	.01	.03	.04			.07	.06	.02	.02	.02	.03	.04	.04	.033	20	.11
18																											
19																											
20*		.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.01	.01	.01	.01	.01	.01	.005	22	.02
21*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.007	24	.02
22	.00	.00		.00	.00	.00	.00			.00	.00		.01	.02			.01	.02	.02	.02	.02	.02	.02	.02	.010	18	.02
23	.02	.02	.02	.02	.02	.02	.02			.01	.02	.04	.04	.04					.00	.01	.01	.00	.01	.00	.017	18	.05
24	.00	.00			.00	.00	.01	.03	.01	.00	.00	.01	.01	.01			.01	.01	.00	.00	.01	.01	.01	.01	.006	20	.04
25	.01	.00		.01	.01	.01	.01	.03	.02	.01	.01	.01	.01	.01					.03	.00	.01	.01	.02		.012	18	.06
26								.05	.03	.01	.01	.01	.02	.04			.07	.06	.03	.04	.04	.04	.04	.04	.034	15	.11
27*	.03	.03			.04	.08	.06	.04	.04	.05	.05	.04	.04	.04			.04	.03	.03	.03	.03	.03	.03	.03	.039	20	.19
28*	.03	.03			.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03	.02	.02			.02			.02	.02	.026	18	.04
29																											
30	.01	.01		.00	.00	.00	.02	.04	.04	.03	.02	.02	.03	.02			.04	.03	.02	.02	.02	.01	.02	.02	.019	21	.08
31	.01	.02		.01	.01	.02	.03	.07	.06	.02	.02	.02	.01	.01			.03	.02	.00	.01	.02	.02	.01	.01	.020	21	.10
MEAN	.01	.01		.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.01	.01	.01	.01	.01	.01	.016		
NO.	22	24	2	18	24	24	25	24	24	26	26	25	25	23	12	12	19	21	25	26	25	25	26	25		528	
MAX	.03	.03	.02	.03	.04	.08	.06	.07	.06	.05	.05	.05	.06	.07	.03	.03	.07	.06	.03	.04	.04	.04	.04	.04	.039		.19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-62

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

ST. LOUIS, MO.

TOTAL OXIDANT
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.01	.01		.01	.02	.02	.03	.04	.05	.05	.05	.03	.04	.04			.05	.03	.01	.02	.02	.03			.029	19	.07
2																											
3*		.01		.01	.02	.00	.01	.03	.03	.01							.05	.03	.01	.01	.00	.00	.02	.01	.014	16	.04
4*	.01	.00			.01	.01	.00	.01	.01	.01	.02	.02	.02	.02				.02	.01	.01	.01	.01	.01	.01	.010	19	.03
5	.01	.01		.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.01	.01	.01	.01	.00	.00	.00	.01	.01	.005	23	.02
6	.00	.00		.00	.00	.00	.00	.00	.03	.04	.00	.00	.00	.01			.02	.00	.01	.02	.01	.02	.02		.009	20	.07
7								.02	.02	.02	.02	.01	.00	.00	.00	.02	.02	.02	.02	.02	.02	.02	.02	.02	.016	17	.03
8	.02	.02		.02	.03	.02	.02	.02	.02	.02	.02	.02							.01	.01	.01	.01	.02	.02	.018	17	.03
9	.02	.01		.02	.01	.01	.01	.02	.02	.01	.01								.01	.01	.01	.01	.01	.01	.012	16	.04
10*	.02	.02		.01	.01	.01	.02	.01	.01	.01	.01	.02	.02	.02				.01	.00	.00	.01	.01	.01	.00	.010	20	.03
11*	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03	.03	.02	.01	.01	.00	.00	.00	.01	.01	.012	23	.03
12	.00	.00		.02	.02	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01	.01	.01	.00	.01	.01	.02	.012	23	.03
13	.01	.01		.02	.01	.01	.01	.01	.01	.00	.00	.01	.01	.02	.02	.03	.02	.02	.02	.02					.014	19	.04
14		.01		.01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.04	.04	.03	.02	.01	.02	.02	.02	.03	.03	.021	22	.05
15	.02	.02		.02	.02	.03	.02	.03	.03	.03	.03	.03	.03					.03	.02	.02	.02	.02	.02	.02	.023	19	.04
16	.02	.02		.02	.02	.02	.03	.05	.04	.02	.02	.02	.03	.02	.03	.03	.04	.02	.03	.02	.02	.02	.02	.02	.025	23	.07
17*	.02	.03			.03	.03	.03	.02	.01	.01	.01	.01	.02	.03		.03	.03	.03	.02	.02	.01	.01	.01	.01	.020	21	.04
18*	.01	.01			.01	.01	.01	.01	.01	.02	.02	.03	.03	.03	.03	.03	.03	.03	.02	.01	.02	.02	.01	.01	.018	22	.06
19	.00	.01		.01	.01	.01	.02	.04	.03	.02	.02	.02	.01	.01	.01	.01	.02	.03	.02	.03	.03	.05	.01	.03	.019	23	.07
20																											
21								.00	.00	.00	.00	.02	.02	.02			.02	.02	.02	.01	.01	.01	.00	.00	.009	14	.03
22	.01	.00					.00	.01	.00	.00	.00	.01	.02	.01	.02	.02	.02	.01	.01	.01	.01	.00	.00	.01	.007	20	.03
23	.01	.01		.00	.01	.01	.01	.01	.00	.00	.01	.02	.02				.02	.02	.01	.01	.00	.01	.01	.01	.009	20	.03
24*	.01	.01		.03	.03	.02	.01	.05	.05	.01	.01	.03	.03	.04				.02	.02	.02	.01	.02	.00	.01	.01	.021	19	.08
25*	.01	.02		.01	.01	.02	.03	.03	.02	.02	.03	.03	.04	.04			.05	.04	.02	.02	.02	.02	.01	.01	.023	21	.06
26	.01	.01		.02	.01	.02	.03	.06	.04	.03	.04	.04	.04	.04				.02	.02	.01	.01	.01	.01	.01	.023	20	.09
27	.01							.02	.02	.02	.02	.02	.02	.02				.01	.02	.02	.02	.02	.02	.02	.018	19	.04
28	.02	.01		.01	.01	.01	.01	.02	.02	.03	.02	.02	.03	.03	.03	.02	.02	.02	.01	.01	.02	.01	.01	.01	.018	23	.04
29	.01	.01		.00	.01	.01	.01	.01	.02	.02	.02	.02							.02	.02	.02	.02	.01		.014	18	.02
MEAN	.01	.01		.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02			.03	.02	.01	.01	.01	.01	.01	.01	.016		
NO.	23	24		20	23	23	24	27	27	27	26	25	23	21	11	12	17	23	27	27	26	26	25	23		530	
MAX.	.02	.03		.03	.03	.03	.03	.06	.05	.05	.05	.04	.04	.04	.04	.04	.05	.04	.03	.03	.03	.05	.03	.03	.029		.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-83

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN MAX.
1																											
2*																											
3*		.01		.01	.01	.01	.01	.01	.00	.01	.01	.02	.02	.02	.03	.03	.03	.02	.01	.01	.01	.01	.00	.01	.012	22	.04
4	.01	.00			.00	.00	.00	.00	.00	.00	.00			.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.02	.007	20	.03
5	.02	.03			.04	.03	.03	.03	.01	.01	.01	.01	.02	.02	.01	.01	.02	.02	.02	.01	.02				.019	19	.04
6								.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.02	.02	.02	.02	.019	17	.04
7																											
8																											
9*		.02					.04	.04	.04	.05	.03	.03	.02	.03	.04	.03	.03	.03	.02	.01	.01		-		.029	16	.06
10*																											
11		.01			.01	.02	.02	.04	.03	.03	.03	.02	.02	.02	.03	.03	.04	.04	.02	.02	.03	.03	.02	.02	.025	21	.06
12	.02	.02		.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.04	.04	.03	.03	.02	.02	.02	.03	.02	.02	.026	23	.05
13	.02	.03		.01	.02	.02	.03	.03	.02	.03	.03	.03	.03	.03			.02	.03	.02	.03	.04	.03	.03	.03	.025	21	.07
14	.03	.03						.04	.04	.03	.03	.03						.03	.03	.03	.04	.04	.04	.03	.033	14	.05
15	.04	.04			.04	.03	.04	.07	.06	.04	.04	.03	.04	.05			.05	.04	.02	.02	.03	.03	.02	.02	.036	20	.09
16*	.01	.01		.01	.01	.01	.01	.02	.01	.03	.02	.02	.02	.02				.03	.03	.03	.02	.02	.04	.04	.020	20	.06
17*	.04	.03		.04	.04	.04	.03	.04	.03	.03	.04	.04	.05	.05											.037	13	.06
18																											
19		.04		.03	.03	.03	.06	.06	.08	.04	.03	.03	.03	.03	.03	.04	.03	.03	.02	.03	.03	.04	.04	.03	.037	22	.13
20								.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.019	17	.04
21	.01							.02	.02	.02	.02	.02					.02	.02	.02	.02	.02	.02	.02	.02	.018	14	.03
22	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.020	22	.05
23*	.02	.01							.01	.02	.02	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.022	18	.04
24*	.02	.02		.02	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04	.03	.02	.03	.02	.03	.03	.03	.026	23	.05
25	.03	.03		.02	.02	.02	.03	.06	.03	.02	.02	.03	.04	.04			.04	.04							.030	15	.07
26								.06	.05	.05	.05	.04	.04	.04	.03	.03	.04	.05	.04	.04	.03				.043	14	.08
27							.04	.04	.04	.04	.03	.04	.03	.04				.04	.04	.04	.05	.04	.03	.04	.039	15	.06
28	.03	.03		.02	.03	.02	.04	.05	.03	.04	.04						.03	.04	.03	.03	.03	.03	.03	.03	.033	18	.07
29	.03	.02		.02	.02	.02	.03	.03	.02	.02	.03	.04	.04	.04			.03	.03	.02	.02	.02	.02	.02	.03	.027	21	.05
30*	.02	.02		.01	.01	.02	.03	.02	.03	.02	.02	.02	.03	.03	.03	.03	.03	.02	.02	.02	.02	.03	.02	.02	.023	23	.05
31*	.02	.02		.02	.02	.01	.01	.01	.01	.01	.01	.01	.01				.02	.02		.02	.02	.02	.02	.02	.015	19	.03
MEAN	.02	.02			.02	.02	.03	.03	.03	.03	.02	.03	.03	.03			.03	.03	.02	.02	.02	.02	.02	.02	.025		
NO.	17	20		12	17	17	19	24	25	25	25	23	21	21	14	14	21	24	22	23	23	20	20	20		467	
MAX.	.04	.04		.04	.04	.04	.06	.07	.08	.05	.05	.04	.05	.05	.04	.04	.05	.05	.04	.04	.05	.04	.04	.04	.043		.13

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-64

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

ST. LOUIS, MO.

TOTAL OXIDANT
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.02	.02		.01	.01	.01	.01	.01	.01	.02	.03	.03	.03	.03		.03	.03	.04	.03	.02	.02	.02	.03	.02	.021	22	.05
2	.02	.03		.03	.02	.02	.02	.04	.04	.03	.03	.03	.02	.03	.02	.03	.03	.03	.02	.02	.03	.02	.02	.02	.025	23	.06
3	.02	.02		.02	.02	.01	.02	.02	.02	.01	.02	.02	.02	.01	.01			.02	.03	.03	.03	.03	.02	.02	.020	21	.03
4																											
5						.05	.04	.04	.04	.04	.04		.03	.03	.03	.03	.03	.02	.02	.01	.02	.02	.02	.03	.029	18	.06
6*	.01	.01		.02	.02	.00	.00	.01	.03	.03	.04	.04	.04	.04	.04	.05	.04	.05	.04	.04	.03	.05	.05	.03	.030	23	.06
7*	.04						.03	.03	.04	.04	.05	.06	.05	.05	.06	.05	.05	.07							.046	13	.07
8																											
9		.02		.03	.02	.01	.01	.01	.01	.01	.01	.02	.02	.04			.05	.04	.04	.04	.03	.02	.02	.01	.023	20	.07
10	.03	.02			.02	.02	.02	.02	.03	.03	.04	.06	.06	.06			.05	.05	.04	.02	.02	.02	.04	.02	.033	20	.08
11	.02	.02		.02	.03	.02	.03	.03	.03	.04	.04	.04	.04	.05													
12	.05	.04		.05	.05	.03	.02	.04	.04	.04	.05	.05	.06	.04	.03	.03	.03	.04	.05	.04	.02	.02	.03	.04	.030	17	.06
13*	.04	.03		.04	.03	.04	.03	.03	.03	.03	.04	.03	.04	.04	.04	.05	.04	.04	.04	.04	.04	.04	.04	.04	.040	23	.07
14*	.03	.02		.03	.03	.03	.02	.01	.02	.04	.04	.03	.03	.04			.05	.04	.04	.04	.04	.03	.03	.03	.035	23	.06
15	.02	.02		.01	.01	.02	.03	.01	.01	.02	.02	.03	.04	.04	.04	.04	.03	.02	.02	.04	.03	.03	.03	.01	.028	21	.05
																									.023	23	.06
16	.01	.02		.02	.01	.01	.02	.02	.02	.02	.01	.02	.02	.01			.04	.03	.04	.03	.05	.06	.02	.03	.024	21	.07
17																											
18																											
19		.01		.02	.02	.02	.02	.03	.05	.04	.04	.02	.02	.02		.02	.03	.03							.025	15	.05
20*																											
21*		.01		.00	.00	.01	.01	.01	.03	.03	.04	.08	.09	.08	.07	.06	.03	.02	.01	.02	.01	.01	.03	.01	.029	22	.11
22																											
23																											
24																											
25																											
26																											
27*																											
28*		.03			.02	.02	.01	.02	.03	.03	.04	.04	.05	.05	.05	.05	.04	.04	.05	.02	.02	.01	.01	.02	.030	21	.09
29	.01	.01		.02	.01	.01	.02	.02	.01	.03	.04	.03	.03	.03	.03	.03	.05								.024	16	.13
30																											
MEAN		.02			.02	.02	.02	.02	.03	.03	.03	.04	.04	.04			.04	.04							.028		
NO.	13	16		14	16	17	18	18	18	18	18	17	18	18	11	12	16	16	14	14	15	15	15	15		362	
MAX.	.05	.04		.05	.05	.05	.04	.04	.05	.04	.05	.08	.09	.08	.07	.06	.05	.07	.05	.04	.05	.06	.05	.04	.046		.13

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-65

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory on Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS, MO.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1						.01	.01	.01	.02					.04			.04	.04	.04	.02	.02	.02	.02	.02	.022	13	.05
2																											
3																											
4*		.01		.01	.01	.01	.01	.02	.03	.04	.04	.04	.05				.04	.03	.03	.02	.02	.01	.01	.01	.023	19	.06
5*	.01	.01		.00	.00	.00	.01	.02	.02	.03	.03	.03	.04			.03	.04	.03	.03	.02	.02	.01	.00	.01	.018	21	.05
6	.02	.04		.02	.01	.01	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04	.05	.04	.03	.03	.02	.02	.01	.025	23	.06
7	.01	.01			.02	.02	.02	.01	.02	.02	.04	.05	.04	.04			.04	.04	.05	.04	.04	.02	.02	.03	.029	20	.07
8	.05	.04			.03	.02	.02	.02	.03	.03	.04	.03	.03	.04			.03	.03	.04	.04	.03	.03	.03	.02	.031	20	.06
9	.03	.04			.03	.02	.02	.02	.02	.02	.02	.03	.03	.04				.04	.03	.02	.02	.01	.01	.01	.024	19	.06
10	.01	.01			.01	.01	.02	.02	.02	.02	.02	.01			.01	.01			.00	.00	.01	.00	.00	.01	.010	18	.05
11*	.01	.01		.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.02	.01	.02	.015	23	.04
12*	.01	.01			.01	.01	.01	.02	.02	.03	.04	.06	.09	.08	.06	.07	.07	.06	.04	.02	.02	.02	.02	.02	.035	22	.13
13	.02	.02		.02	.01	.02	.02	.02	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.01	.01	.01	.01	.01	.01	.010	23	.05
14	.01	.01		.01	.01	.01	.02	.03	.01	.01			.02	.03			.02	.02	.02	.01	.01	.00	.00	.00	.013	19	.05
15																											
16																											
17																											
18*																											
19*		.02			.01	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.02	.01	.01	.01	.01	.01	.02	.018	21	.04
20	.02	.02			.01	.01	.01	.01	.01	.02	.02	.02	.03	.02	.02	.03	.03	.02	.01	.01	.01	.01	.01	.01	.016	22	.03
21	.01	.01			.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.01	.02	.02	.02	.01	.00	.00	.01	.01	.014	22	.04
22	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00	.007	23	.03
23	.00	.00			.00	.01	.01	.01	.01	.00	.00	.01	.00	.00		.01	.01	.01	.01	.01	.00	.01	.01		.005	20	.02
24							.00	.00	.00	.01	.01	.01				.01	.01	.00	.00	.01	.00	.00	.00	.01	.005	15	.02
25*	.01	.02			.01	.00	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01	.01	.01	.01		.00	.00	.00	.01	.006	21	.02
26*	.01	.01		.00	.00	.00	.00	.01	.01	.01	.02	.03	.03	.03	.03	.02		.02	.02	.02	.02	.02	.01	.02	.015	22	.03
27	.02	.02		.02	.02	.01	.01	.01	.01	.02	.03	.03	.03	.04	.03	.03	.03	.04	.03	.01	.01	.01	.01	.01	.020	23	.06
28	.01	.01		.01	.01	.01	.00	.02	.02	.04						.04			.03	.02	.01	.02	.02	.03	.018	16	.06
29	.02					.01	.01	.01	.02	.03	.03	.02	.02	.04			.03	.03	.03	.02	.01	.00	.00	.01	.019	18	.06
30	.00	.00		.00	.01	.01	.01	.02	.05	.06	.06	.06	.06	.06	.05	.06	.05	.04	.03	.02	.02	.01	.02	.01	.030	23	.09
31	.02	.02				.01	.01	.01	.02	.02	.03			.04	.04	.03	.03	.03	.02	.02	.01	.01	.00	.01	.018	14	.05
MEAN	.01	.01			.01	.01	.01	.01	.02	.02	.02	.02	.03	.03		.03	.03	.03	.02	.02	.01	.01	.01	.01	.018		
NO.	21	22		11	21	24	25	25	25	24	22	21	20	20	14	18	21	23	25	24	25	25	25	24		505	
MAX.	.05	.04		.02	.03	.02	.02	.03	.05	.06	.06	.06	.09	.08	.06	.07	.07	.06	.05	.04	.04	.03	.03	.03	.035		.13

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-66

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1*	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.04	.04	.05	.06	.03	.01	.01	.01	.01	.01	.018	23	.06
2*	.00	.01		.01	.01	.01	.01	.03	.03	.03	.06	.07	.08	.08	.08	.11	.11	.10	.06	.04	.03	.01	.01	.00	.042	23	.12
3	.00	.01		.00	.01	.00	.00	.02	.03	.04	.04	.06	.06	.06	.07	.07	.06	.07	.05	.04	.02	.01	.01	.01	.031	23	.08
4	.01	.00		.01	.01	.00	.00	.02	.02	.04	.06	.07	.07	.05	.05	.05	.05	.06				.02	.02	.00	.031	20	.08
5	.01						.01	.01	.04	.04	.05	.06	.05	.06	.07	.05	.05				.03	.02	.02	.01	.035	16	.08
6	.01	.01			.01	.00	.00	.01	.02	.03	.04	.05	.05	.05			.05	.06	.06	.05	.03	.03	.03	.03	.028	20	.07
7	.01	.02		.02	.01	.01	.01	.01	.02	.04	.05		.05	.06				.06	.05	.04	.03	.03	.02	.02	.028	19	.07
8*																											
9*	.00				.00	.00	.00	.03	.06	.06	.08	.09	.08	.08	.07	.06			.03	.02	.01	.01	.00		.038	18	.10
10																											
11																											
12																											
13																											
14																											
15*						.01	.01	.02	.03	.04	.05	.13	.15	.10			.03	.03	.02	.01	.01	.01	.01	.01	.037	17	.16
16*																											
17																											
18	.02	.01		.01	.01	.01	.02	.02	.03	.04	.04	.05	.05				.06	.07	.05	.01	.01	.00	.00	.01	.020	17	.06
19	.01				.00	.00	.00	.00	.01	.07					.11	.06	.06	.07	.05	.05	.03	.02	.03	.04	.036	17	.23
20	.05	.04			.02	.02	.02	.03	.05	.08	.09						.04	.05	.06	.05	.03	.02	.01	.01	.040	17	.13
21																											
22*	.02	.02				.01	.00	.01	.03	.04	.05			.06	.05	.04	.05	.05	.04	.03	.03	.02	.01	.02	.031	17	.07
23*	.00	.01			.00	.02	.03	.04	.06	.07	.08	.08		.06	.01	.01	.02	.02	.02	.02			.00	.00	.032	18	.09
24	.00	.00			.00	.00	.02	.03	.06	.07	.06	.05	.06	.05			.04	.03	.03	.02	.02	.01	.01	.01	.030	20	.08
25							.00	.00	.00	.01	.01		.02	.03	.02	.01	.02	.02	.01	.00		.00	.00		.008	19	.04
26																											
27					.02	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01			.008	16	.02
28	.00				.00	.01	.01	.01	.01	.01	.01					.02	.02	.02		.01	.01	.01			.013	13	.03
29*									.00	.01		.03	.02	.02			.03	.03	.03	.03	.03	.02	.01	.01	.017	16	.03
30*																											
MEAN						.01	.01	.02	.03	.04	.05						.04	.05		.03	.02	.01	.01				
NO.	15	11		6	14	17	18	18	19	19	17	13	14	15	11	12	16	16	15	17	16	18	17	15		349	
MAX.	.05	.04		.02	.02	.02	.03	.04	.06	.08	.09	.13	.15	.10	.11	.11	.11	.10	.06	.05	.03	.03	.03	.04	.042		.23

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-67

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2	.01					.01	.01	.01	.01	.01	.02	.02	.03	.03	.02	.03	.03	.03				.01	.01	.00	.017	17	.05
3	.01	.01		.01	.01	.01	.01	.01	.01	.02	.02	.02	.02			.05	.05					.01	.01	.01	.016	17	.06
4	.03	.02		.01	.02	.02	.01	.02						.08	.09	.08				.04	.02	.02	.01	.01	.032	15	.10
5	.02	.01		.01	.01	.01	.03	.02	.02	.05	.07	.06	.07	.08									.01	.01	.032	15	.09
6*	.01						.01	.02	.01	.02	.05	.06	.07	.08	.08	.07					.03	.03	.01	.01	.036	15	.09
7*																											
8																											
9						.00	.00	.00	.01	.03	.05	.06	.07	.06	.05	.05	.05	.06	.03	.03					.036	15	.11
10																											
11	.01				.00	.00	.01	.01	.02	.03	.08	.10	.09	.06	.06	.08	.09				.03	.03	.02	.01	.041	18	.11
12	.00	.00		.01	.00	.01	.01	.02	.03	.04	.06						.05	.06	.05	.03	.02	.02	.02	.02	.024	18	.09
13*						.00	.01	.01	.02	.04	.04	.05	.06	.05					.02	.02	.01	.01	.01	.01	.024	15	.07
14*	.01	.00		.00	.00	.00	.00	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.009	23	.03
15				.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.04			.01	.01	.01	.01	.01	.01	.00	.01	.007	19	.05
16																											
17						.00	.00	.00	.01	.02	.02	.02	.03	.03		.03	.03	.02	.01	.02			.00		.017	19	.05
18																											
19						.01	.00	.00	.01	.01	.03	.04	.04	.03	.03	.03	.03					.02	.01	.01	.020	15	.05
20*																											
21*		.01		.01	.01	.01	.01	.01	.02	.04	.05	.06	.07	.07	.07	.07									.037	14	.09
22																											
23		.01		.01	.00	.00	.00	.00	.01	.02	.04	.05	.05	.04			.04	.03	.03	.02	.02	.02	.02	.02	.020	20	.09
24	.01	.01		.00	.00	.00	.00	.00	.00	.02	.02	.02	.02			.02	.03	.02	.01	.01	.01	.01	.01	.01	.011	21	.03
25																											
26				.02	.02	.01	.01	.02	.02	.01	.01							.09	.05	.03	.03	.02	.02		.024	14	.12
27*																											
28*																											
29																											
30	.04	.01		.03	.03	.01	.02	.02	.03	.03	.03	.04	.04			.03	.04	.05	.04	.03	.03	.03			.030	19	.06
31				.01	.01	.00	.01	.00	.01	.02	.02	.03			.05	.05	.04	.03	.02	.01	.01	.01	.01	.01	.018	19	.06
MEAN						.01	.01	.01	.01	.02	.03	.04											.01				
NO.	10	9		12	13	18	19	19	18	18	18	16	15	13	9	13	13	11	11	12	12	15	16	14		324	
MAX.	.04	.02		.03	.03	.02	.03	.02	.03	.05	.08	.10	.09	.08	.09	.08	.09	.09	.05	.04	.03	.03	.02	.02	.041		.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-68

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS•MO.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2																											
3*																											
4*																											
5	.03	.03		.02	.02	.02	.03	.06	.02	.02	.02	.03	.03	.05	.05	.05	.05	.06	.04	.04	.03	.02	.02	.02	.032	23	.10
6																											
7																											
8		.00		.00				.00	.01	.01		.07	.06	.05	.03	.02	.02	.01	.03	.02	.01	.00		.01	.018	17	.11
9	.01	.01					.00	.01	.04	.07	.08	.07	.06	.06	.08	.09	.01	.06	.04	.03	.02	.02	.02	.02	.041	20	.12
10*																											
11*																											
12																											
13																											
14					.01	.01	.01	.01	.02				.02	.03	.03	.02	.03				.03	.03	.01	.01	.020	14	.06
15	.01	.01		.01	.01	.01	.00	.01	.02	.03	.03	.04	.05	.06	.06										.024	14	.06
16																											
17*																											
18*																											
19																											
20																											
21																											
22																											
23																											
24*																											
25*																											
26																											
27		.02				.02	.03	.01								.04	.03	.03	.02	.01	.01	.01	.00	.01	.017	13	.05
28	.01	.01		.01	.01	.01	.01	.02	.03	.04	.05	.06	.07	.07											.030	13	.07
29																											
30																											
31*		.00		.01	.01	.02	.02	.02	.02	.02	.03	.04	.04	.04			.03	.02	.01	.00	.00	.01	.00	.00	.015	20	.05
MEAN																											
NO	4	7		5	5	6	7	8	7	6	5	6	6	7	5	5	6	6	5	5	6	6	5	6		134	
MAX	.03	.03		.02	.02	.02	.03	.06	.04	.07	.08	.07	.07	.07	.08	.09	.07	.06	.04	.04	.03	.03	.02	.02	.041		.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-69

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

ST. LOUIS, MO.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2																											
3																											
4																											
5																											
6		.00		.00	.00	.01	.01	.01	.03	.04	.05	.05	.04	.03			.03	.03	.02	.02	.01	.00	.00	.00	.018	20	.06
7*	.00	.00		.00	.01	.01	.02	.01	.03	.03	.04	.04	.04	.06											.023	13	.06
8*									.01	.04	.06	.04	.04	.03	.03	.02	.02	.02	.02	.02	.01	.01	.01	.02	.025	16	.07
9	.02	.02		.01	.00	.00	.01	.01	.02	.02	.02	.02	.02	.00			.00	.00	.00	.00	.01	.00	.00	.00	.008	21	.02
10	.00	.00			.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.04	.04	.03	.02	.00	.00	.00	.013	22	.04
11	.00	.00		.00	.00	.00	.01	.01	.03	.04	.05	.05	.05							.03	.03			.02	.020	15	.06
12																											
13																											
14*																											
15*																											
16		.03		.03						.03	.04	.04	.03	.03			.03	.03	.03	.03	.02	.02	.02	.02	.029	15	.06
17	.02	.02		.03	.02	.03	.04		.03	.04	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.03	.026	22	.06
18	.02	.02		.02	.03	.03	.05	.04	.03	.02	.03	.03	.03			.04	.04	.03	.03	.03	.03	.03	.03	.04	.030	21	.13
19	.04	.04		.03	.04	.04	.04	.05	.06	.05	.05	.04				.06	.06	.04	.04	.03	.03	.03	.03	.04	.041	20	.12
20	.04	.04		.04	.04	.05	.08	.06				.04	.05				.04	.04	.10	.04	.04				.050	14	.22
21*																											
22*		.02		.01	.02	.03	.04	.03	.02	.02	.02	.02	.02			.01	.01	.02	.02	.01	.01	.02	.01	.02	.018	20	.05
23	.02	.02		.02	.02	.02	.04	.04	.03	.03	.03	.04	.03	.03	.03	.03	.02	.02	.02	.02	.02	.01	.01	.01	.024	23	.06
24	.02	.02		.01	.01	.02	.03	.03	.03	.03	.03	.04	.03	.04	.04	.04	.03	.03	.02	.02	.02	.02	.02	.01	.025	23	.05
25	.02	.02		.02	.01	.02	.04	.04	.05	.04	.04	.04	.04	.03			.03	.02	.02	.01	.02	.02	.02	.02	.027	21	.07
26	.01	.01		.02	.02	.03	.04	.04	.03	.03	.03	.04				.04	.04	.02	.01	.01	.01	.01	.01	.01	.023	20	.06
27	.01	.02		.04	.05	.05	.09	.06	.04	.04	.03	.07	.06	.05	.05	.07	.05	.04	.03	.04	.04	.06	.04	.03	.045	23	.11
28*	.02	.03		.03	.03	.02	.03	.03	.02	.03	.03	.02	.03	.04	.04	.04	.04	.03	.02	.01	.01	.01	.01	.02	.025	23	.05
29*	.02	.02		.02	.01	.01	.02	.03	.02	.02	.05	.05	.07	.10	.07	.05	.05	.04	.02	.02	.02	.03	.03	.03	.033	23	.17
30	.03	.03		.02	.02	.02	.05	.03	.03	.04	.04	.05	.05	.04	.03	.03	.03	.02	.02	.01	.01	.02	.02	.02	.028	23	.09
MEAN	.02	.02		.02	.02	.02	.04	.03	.03	.03	.03	.04	.04				.03	.03	.03	.02	.02	.02	.02	.02	.026		
NO.	16	19		18	18	18	18	17	18	19	19	20	18	14	9	13	18	18	18	19	19	17	17	18	-	398	
MAX.	.04	.04		.04	.05	.05	.09	.06	.06	.05	.06	.07	.07	.10	.07	.07	.06	.04	.10	.04	.04	.06	.04	.04	.050		.22

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-70

HOURL. AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

ST. LOUIS.MO.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.02	.02		.02	.02	.03	.04	.04	.03	.03	.03	.04	.04			.03	.02	.02	.02	.02	.01	.01	.01	.02	.024	21	.07
2	.03	.02		.02	.02	.02	.03	.03	.02	.02	.03	.05	.04	.04	.04	.04	.03	.03	.02	.01	.01	.02	.01	.01	.025	23	.05
3	.01	.02			.02	.02	.02	.02	.02	.01	.02	.03		.05	.05	.04	.02	.02	.02	.02	.02	.01	.01	.01	.021	21	.06
4	.01	.01		.01	.02	.02	.03	.03	.01	.03	.04	.04	.03			.03	.02	.02	.01	.01	.01	.02	.02	.02	.021	21	.04
5*	.02	.02		.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.04	.04	.03	.02	.02	.02	.02	.02	.02	.03	.03	.025	23	.04
6*	.02	.02		.04	.04	.03	.03	.04	.04	.03	.02	.02	.02			.02	.02	.01	.02	.01	.01	.01	.02	.01	.022	21	.04
7	.02	.02		.01	.02	.02	.04	.03	.03	.03	.03	.03	.03			.03	.02	.02	.03	.04	.02	.02	.02	.02	.024	21	.06
8	.01	.01		.01	.01	.02	.02	.03	.02	.02	.03	.03	.03			.04	.03	.03	.02	.07	.03	.02	.02	.02	.024	21	.14
9	.03	.04		.03	.02	.02	.04	.05		.03	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01	.02	.01	.01	.01	.022	22	.07
10	.01	.02		.01	.01	.01	.03	.03	.02	.03	.04	.03	.03	.04	.05	.04	.03	.03	.03	.23	.07	.03	.02	.02	.036	23	.37
11	.02	.02		.02	.02	.03	.01	.04	.04	.03	.02	.02			.02	.03	.01	.02	.02	.01	.01	.02	.00	.01	.024	21	.12
12*	.01	.01		.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.02	.01	.02	.02	.017	23	.05
13*																											
14		.00		.01	.01							.02	.02	.02	.03	.02	.02	.02	.02	.01	.01				.017	13	.03
15																											
16	.01	.01		.01	.01	.02	.01		.02	.03	.03	.03	.03	.03	.03	.02	.01	.02	.01	.01	.01	.01	.01	.01	.018	22	.04
17	.01	.01		.01	.01	.01	.02	.02	.02	.02	.02					.03	.01	.01	.01	.01	.01	.01	.01	.01	.013	19	.03
18																											
19*																											
20*	.02	.02		.02	.02	.02	.01	.00	.00	.01	.02	.03	.02	.02	.03	.02	.01	.01	.01	.01	.02	.02	.03	.03	.016	23	.06
21																											
22								.02	.01	.02	.03	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.015	17	.03
23																											
24																											
25	.01	.01		.01	.01	.01	.03	.02	.01	.01	.01	.01	.01	.02			.01	.02	.02	.01					.012	17	.03
26*																											
27*																											
28		.02		.01	.01				.03	.03			.03	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01	.019	17	.03
29	.01	.02		.01	.02	.02	.02	.02	.02	.02	.01	.02	.02	.01	.02	.04	.04	.05	.02	.03	.02	.02	.03	.03	.022	23	.09
30	.03	.02		.02	.02	.02	.03	.04	.03	.02	.01	.04	.05	.05	.05	.05	.05	.05	.05	.04	.04	.04	.04	.03	.035	23	.10
31	.03	.03		.03	.03	.04	.05	.06	.05	.04	.05	.05	.05					.06	.04	.04	.03	.03	.03	.03	.040	19	.13
MEAN	.02	.02		.02	.02	.02	.03	.03	.02	.02	.02	.03	.03			.03	.02	.02	.02	.03	.02	.02	.02	.02	.023		
NO	19	21		20	21	19	19	19	20	21	20	20	19	14	14	20	21	22	22	22	21	20	20	20		454	
MAX	.03	.04		.04	.04	.04	.07	.06	.05	.04	.05	.05	.05	.05	.05	.05	.05	.06	.05	.23	.07	.04	.04	.03	.040		.37

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-71

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

ST. LOUIS, MO.

TOTAL OXIDANT
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.03	.03		.02	.03	.02	.03	.05	.05	.05	.05			.05			.04	.03	.03	.03	.03	.02	.02	.02	.032	19	.08
2*																											
3*				.02				.01	.01	.02	.02					.03	.03	.02	.00	.00	.00	.01	.01	.01	.014	14	.04
4																											
5	.07	.05		.03	.06	.06	.06	.07	.05	.04	.03	.05	.04	.03			.04	.04	.02	.02	.03	.02	.02	.03	.039	21	.11
6	.02	.02		.02	.02	.02	.03	.03	.03	.03	.04	.03	.03	.04	.04	.03	.03	.03	.02	.01	.01	.01	.01	.01	.024	23	.05
7	.01	.01		.01	.01	.01	.01	.02	.02	.02	.02	.02	.02					.02	.01	.01	.01	.01	.01	.01	.013	14	.03
8	.01	.01		.01	.01	.01		.02	.01	.01	.02	.02	.02			.01	.01	.01	.01	.01	.01	.01	.01	.01	.012	20	.03
9*																											
10*																											
11		.01		.01	.01			.02	.02	.02							.01	.01	.01	.01	.01	.01	.01	.01	.012	14	.02
12	.01	.02		.02	.02	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.02	.03	.02	.03	.018	23	.05
13	.02	.02		.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.04				.02	.02	.02	.02	.02	.02	.02	.02	.024	20	.05
14	.02	.01		.02	.02	.02	.02	.03	.03	.03	.04	.03	.03						.01	.02	.02	.02	.01	.02	.023	18	.05
15																											
16*																											
17*																											
18				.01	.02	.01	.02	.02	.02	.02	.01	.03	.02	.02	.01	.01	.02	.02	.02	.02	.02	.03	.03	.02	.019	21	.03
19	.02	.01		.02	.03	.04	.04	.04	.05	.04	.05	.04	.03	.04	.04	.04	.04	.04	.04	.04	.04			.02	.036	21	.05
20	.02			.02	.02			.04	.04	.03	.03	.04	.04	.05	.06	.06	.05	.03	.03	.04	.04	.03	.03	.03	.035	20	.06
21																											
22																											
23*																											
24*																											
25																											
26																											
27																											
28																											
29																											
30*																											
MEAN	10	10		13	12	10	9	13	13	13	12	10	10	8	5	7	10	12	13	13	13	12	12	13		253	
NO	.07	.05		.03	.06	.06	.06	.07	.05	.05	.05	.05	.04	.05	.06	.06	.05	.04	.04	.04	.04	.03	.03	.03	.039		.11
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-72

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

ST. LOUIS, MO.

TOTAL OXIDANT
DEC. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO. OF HRS.	5-MIN MAX.
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1*																											
2																											
3																											
4																											
5																											
6																											
7*	.02	.02		.00	.01	.00	.03	.02	.03	.00			.04	.03			.02	.01	.00	.00	.00	.01	.01	.03	.010	14	.08
8*	.00	.03		.03	.01	.00	.01	.01	.02	.01	.02	.04	.04	.03	.04	.04			.00	.00	.00	.01	.00	.00	.015	21	.07
9		.00		.00	.00	.00	.01	.02	.02	.01		.03	.04	.03					.00	.00	.00	.00	.00	.00	.013	20	.06
10																											
11																											
12																											
13																											
14*																											
15*																											
16																											
17																											
18																											
19																											
20																											
21*																											
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN	2	3		3	3	3	3	3	3	3	1	2	2	2	1	1	1	1	3	3	3	3	3	3	.015	55	.08
NO	.02	.03		.03	.01	.00	.03	.02	.03	.01	.02	.04	.04	.03	.04	.04	.02	.01	.00	.00	.00	.01	.01	.03			
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

SECTION 4
SOILING INDEX
DATA TABLES

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SOILING INDEX DATA TABLES

Tables 4-1 through 4-12 present soiling index values at the station by month. Each value was obtained from a 2-hour integrated sample beginning at the time indicated in the column heading. A missing value indicates that the sample was not taken or was invalid because of instrument malfunction.

The first summary line (titled MONTHLY MEAN) represents the arithmetic mean of the 2-hour average values in the column, and is calculated only if 16 or more days are represented. The first summary column (titled DAILY MEAN) gives the arithmetic mean of the 2-hour values for the day; if fewer than seven such values are present, the daily mean is not calculated, and the data are not included in the summaries; however, the component 2-hour values for the day are not deleted from the table as is done with the data on gaseous pollutants.

The other summary columns and rows are the number of and maximum of the respective 2-hour values. Four summary figures appear in the lower right corner; the mean and maximum values for the month are the upper left and lower right figures, respectively, while the center figure is the total number of values. The lower left summary number is the maximum daily average from the column above.

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Table 4-1

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

ST LOUIS MISSOURI — JAN/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01										2.0	1.4	1.1			
02	0.7	1.7	1.8	1.6	2.2	2.6	1.9	1.7	2.2	2.3	1.4	1.1	1.82	12	2.6
03	1.1	0.8	0.7	1.0	1.1	1.1	1.1	1.4	1.7	1.0	1.2	0.6	1.11	12	1.7
04	0.4	0.6	0.2	0.9	0.9	1.3	1.0	0.6	1.3	1.1	1.7	3.5	1.16	12	3.5
05	1.8	1.0	1.1	1.0	1.9	1.5	1.4	1.4	2.0	0.9	0.7	0.7	1.33	12	2.0
06	1.5	2.0	1.7	1.1	2.5	1.6	1.4	1.1	1.3	1.4	1.0	1.2	1.50	12	2.5
07	0.7	0.3	0.5	1.2	0.7	0.8	0.6	0.7	0.9	0.8	2.9	3.6	1.17	12	3.6
08	0.9	1.0	1.3	4.6	2.6	1.7	1.8	2.1	3.2	2.2	1.5	1.3	1.88	12	3.2
09	1.3	0.9	1.8	1.6	1.5	1.3	1.1	1.4	2.1	1.8	1.8	3.1	1.68	12	3.1
10	1.7	0.2	1.2	1.4	1.5	1.8	2.0	1.9	1.5	1.8	1.3	2.0	1.56	12	2.0
11	2.1	1.4	1.9	4.6	2.5	2.4	2.4	2.1	2.4	1.9	2.0	2.0	2.17	12	2.6
12	2.3	1.6	1.7	2.3	2.7	1.6	2.3	1.8	1.9	1.6	1.0	0.8	1.83	12	2.7
13	0.8	0.8	0.4	0.8	1.3	1.2	1.6	1.3	1.9	1.3	1.4	1.2	1.21	12	1.9
14	1.0	0.7	0.8	1.1	1.1	1.0	0.6	1.0	1.2	0.8	0.8	0.6	0.93	12	1.2
15							0.5	1.0	1.4	0.8	1.5	1.3			
16	4.2	2.5	1.6	4.4	3.1	0.7	0.7	1.5	1.7	1.6	1.5	1.5	1.95	12	4.2
17	1.4	1.6	1.1	1.7	2.7	1.8	1.9	2.1	3.2	0.8	1.2	1.1	1.75	12	3.2
18	1.6	1.3	1.1	1.6	2.5	2.8	1.5	2.0	3.4	2.0	0.8	0.8	1.83	12	3.4
19	0.4	0.8	0.8	1.5	2.4	2.4	1.5	1.7	2.4	1.8	1.3	3.0	1.70	12	3.0
20	2.1	1.9	2.3	1.8	1.6	1.7	0.9	0.6	0.4	0.5	0.7	1.5	1.38	12	2.3
21	0.6	0.5	0.7	0.5	1.1	1.3	0.5	1.2	1.0	2.6	1.3	1.3	1.09	12	2.6
22	3.7	4.5	3.6	3.0	4.7	3.0	0.8	0.8	1.1	0.4	0.1		2.38	11	4.7
23	0.5	0.3		0.7	0.7	0.6	0.4	1.1	1.3	0.7	0.5	1.1	0.75	11	1.3
24	0.9	1.0	0.7	1.3	1.7	1.5	1.5	1.4	2.4	1.5	0.9	1.0	1.35	12	2.4
25	0.6	1.0	0.5	1.0	1.1	1.0	0.8	1.2	1.7	0.7	0.7	0.6	0.92	12	1.7
26	0.6	0.8	0.6	1.2	1.2	1.1	1.0	1.5	1.9	1.0	0.8	1.5	1.13	12	1.9
27	1.6	0.6	1.5	0.8	1.0	1.1	0.7	0.6	0.9	0.3	0.6	0.3	0.87	12	1.6
28	0.3	0.7	0.5	0.7	0.8	0.4	0.5	0.2	0.4	0.8	0.4	0.8	0.58	12	0.8
29	0.5	0.5	0.6	0.7	1.4	1.1	0.3	0.9	0.7	0.4	0.4	0.2	0.69	12	1.4
30	0.5	0.3	0.3	0.9	1.2	1.3	0.4	1.6	2.0	1.2	0.6	0.5	0.94	12	2.0
31	0.8	0.8	0.7	0.9	1.1	1.2	0.7	0.9	1.1	0.4	0.5	0.4	0.83	12	1.2
AVG	1.26	1.10	1.13	1.37	1.75	1.47	1.14	1.30	1.69	1.22	1.06	1.33	1.31		
N(3)	29	29	28	29	29	29	29	29	29	29	29	28		346	
MAX#	4.2	4.5	3.6	3.0	4.7	3.0	2.4	2.1	3.4	2.6	2.9	3.6	2.38		4.7

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
\# MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-2

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
	ST LOUIS MISSOURI														FEB/68
01	0.4	0.4	0.6	0.6	1.2	0.9	0.5	0.8	1.0	0.5	0.4	0.2	0.66	12	1.2
02	0.2	0.0	0.6	0.5	0.6	0.3	0.9	0.5	0.9	0.6	0.4	1.0	0.58	12	1.0
03	0.6	0.7	1.0	1.5	1.5	1.3	0.8	0.7	1.7	2.2	2.5	1.0	1.32	12	2.5
04	2.4	1.6	1.1	1.2	1.1	0.6	0.8	0.7	0.9	0.9	0.9	0.7	1.10	12	2.4
05	1.1	0.8	0.8	0.9	1.5	0.7	1.0	0.6	1.2	1.1	1.3	1.0	1.04	12	1.5
06	0.9	0.9	1.3	1.6	3.8	2.0	0.5	0.7	1.0	0.7	0.4	0.3	1.22	12	3.8
07	0.4	0.6	0.5	0.7	0.9	0.8	0.5	0.3	0.9	0.3		0.4	0.61	11	0.9
08	0.3			0.5	0.6	0.6	0.5	0.5	0.8	0.8	1.0	0.8	0.66	10	1.0
09	1.5	0.9	0.9	0.7	0.9	0.7	0.6	0.8	1.1	0.4	0.0	0.5	0.79	12	1.5
10	0.3	0.0	0.3	0.4	0.5	0.6	0.2	0.3	0.6	0.7	0.7	0.2	0.43	12	0.7
11	0.2	0.2	0.5	0.7	0.8	0.3	0.7	0.1	0.3	0.5	0.6	0.5	0.49	12	0.8
12	0.4	0.5	0.5	0.6	0.4	0.5	0.4	0.4	0.4	0.7	0.6	0.2	0.51	12	0.7
13	0.4	0.1	0.1	0.8	0.4	0.6	0.7	0.6	0.7	0.4	0.6	0.6	0.55	12	0.8
14	0.6	0.3	0.5	1.1	0.7	0.6	0.4	0.6	0.7	0.7	0.2	1.0	0.66	12	1.1
15	0.3	0.2	0.2	0.7	0.9	0.7	0.8	0.4	0.7	0.5	0.6	0.9	0.62	12	0.9
16	0.5	0.7	0.3	1.0	1.1	0.4	0.6	0.9	1.0	0.3	1.1	0.9	0.77	12	1.1
17	0.2	0.7	0.2	0.4	0.7	0.1	0.5	0.3		0.2	0.3	0.4	0.41	11	0.7
18	0.6	0.4	0.8	1.2	0.8	0.5		0.4	0.1	0.7	1.3	0.9	0.73	11	1.3
19	1.7	1.2	1.5	1.2	1.1	1.0	0.8	0.5	0.9	0.7	1.0	0.8	1.08	12	1.7
20		0.5	0.5	0.9	1.1	0.8	0.8	0.7	0.2	0.6	0.3	0.3	0.65	11	1.1
21	0.5	0.2	0.2	0.9	0.6	0.1	0.3	0.6	0.6	0.4	0.8	0.7	0.53	12	0.9
22	0.4	0.3	0.3	0.6	1.1	0.7	0.5	0.7	0.5	0.7	0.6	0.7	0.63	12	1.1
23	0.4	0.6	1.0	1.5	1.8	0.7	0.5	0.8	0.9	1.2	0.8	1.3	1.00	12	1.8
24	0.8	1.3	1.0	2.1	2.1	0.4	0.4	0.1	0.2	0.5	1.2	0.8	0.94	12	2.1
25	0.6	0.7	0.9	1.3	2.2	0.6	0.3	0.1	0.5	1.6	2.3	1.3	1.07	12	2.3
26							1.2	1.0	0.6	0.8	0.7	0.2			
27	0.2	0.3	0.0	0.7	0.4	0.8	0.6	0.7	0.7	0.2	0.8	0.7	0.55	12	0.8
28	0.2	0.4	0.5	0.8	0.4	0.2	0.4	0.5	0.2	0.6	0.5	0.5	0.49	12	0.8
29	0.7	0.8	0.3	0.8	0.4	0.4	0.7	0.5	0.1	0.4	0.6	0.4	0.54	12	0.8
AVG	0.62	0.56	0.60	0.92	1.05	0.63	0.58	0.52	0.69	0.68	0.80	0.67	.69		
N(3)	27	27	27	28	28	28	27	28	27	28	27	28		330	
MAX*	2.4	1.6	1.5	2.1	3.8	2.0	1.0	0.9	1.7	2.2	2.5	1.3	1.32		3.8

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-3

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	ST LOUIS MISSOURI AVG	N (1)	MARCH/68 MAX (2)
01	0.4	0.4	0.8	0.9	1.2	0.7	0.7	0.5	0.6	0.5	0.9	0.9	0.76	12	1.2
02	0.6	0.3	0.3	0.9	0.5	0.2	0.7	0.8	0.7	0.6	0.3	0.3	0.55	12	0.9
03	0.0	0.1	0.3	0.3	0.2	0.1	0.7	0.4	0.1	0.4	0.4	0.6	0.33	12	0.7
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14								0.7	0.9	0.7	0.6	1.1			
15	0.8	0.6	0.4	0.6	1.3	0.6	1.1	1.4	1.6	0.6	1.0	0.7	0.93	12	1.6
16	0.7	0.5	1.4	1.2	1.3	1.1	0.5	0.5	0.4	1.5	1.1	1.2	1.00	12	1.5
17	1.0	0.6	1.2	0.6	0.5	0.4	0.4	0.3	0.5	0.3	0.6	0.4	0.60	12	1.2
18	0.9	0.9	0.7	0.7	0.6	0.9	1.3	0.9	1.6	0.8	1.0	0.7	0.95	12	1.6
19	0.5	0.5	1.3	1.5	1.7	1.0	0.3	1.0	0.9	0.8	1.4	1.3	1.05	12	1.7
20	0.2	0.5	0.2	0.6	0.5		0.8	0.5	1.1	0.5	0.7	0.3	0.58	11	1.1
21	0.4	0.3	0.2	1.0	0.8	1.0	0.9	0.5	0.1	0.5	1.8	1.3	0.78	12	1.8
22	0.5	0.1	0.2	0.6	0.6	0.6	0.4	0.5	0.7	0.2	0.4	0.4	0.48	12	0.7
23	0.4	0.5	0.4	0.9	0.4	0.6	0.2	0.6	0.2	0.4	0.7	0.7	0.54	12	0.9
24	0.4	1.0	0.8	0.5	0.4	0.5	0.5	0.3	0.4	1.0	0.7	0.3	0.62	12	1.0
25	0.5	0.7	0.4	1.0	1.2	0.9	0.8	0.9	1.0	0.8	0.4	0.5	0.80	12	1.2
26	0.9	0.4	0.6	1.2	1.0	2.9	0.9	0.8	0.8	0.8	0.6	0.7	1.00	12	2.9
27	1.1	0.6	1.1	0.4	0.7	0.8	0.7	0.3	0.0	0.7	0.6	0.8	0.69	12	1.1
28	1.4	0.6	1.1	0.4	0.5	0.4	0.9	0.6	0.5	0.4	0.5	0.8	0.72	12	1.4
29	0.8	0.4	1.0	0.7	0.8	0.3	0.9	1.1	0.4	1.0	1.0	0.7	0.80	12	1.1
30	0.6	0.5	0.9	0.6	0.5	0.4	0.8	0.6	0.5	0.6	0.6	0.3	0.60	12	0.9
31	0.2	0.9	0.3	0.5	0.3	0.1	0.3		0.5	0.4	0.5	0.2	0.44	11	0.9
AVG	0.61	0.52	0.68	0.75	0.75	0.71	0.69	0.65	0.63	0.64	0.76	0.65	.67		
N(3)	20	20	20	20	20	19	20	19	20	20	20	20		238	
MAX*	1.4	1.0	1.4	1.5	1.7	2.9	1.3	1.4	1.6	1.5	1.8	1.3	1.05		2.9

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-4

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
	ST LOUIS MISSOURI												APRIL/68		
01	0.6	0.3	0.7	0.3	0.8	0.4	0.2	0.5	1.5	1.1	1.4	0.7	0.74	12	1.5
02	1.2	0.8	0.5	1.4	1.4	1.3	1.0	0.7	1.6	0.9	0.8	1.0	1.09	12	1.6
03	0.6		0.7	1.3	1.1	1.5	0.9	1.5	1.1	0.8	0.5	0.5	1.00	11	1.5
04	0.6	0.6	0.7	0.6	0.8	0.3	0.8	0.5		0.5	0.1	0.5	0.58	11	0.8
05		0.2		0.2	0.6	0.3	0.4	0.2	0.6	0.6	0.8	1.2	0.56	10	1.2
06	1.4	1.9	1.8	1.8		0.6	0.9	0.8	0.1	0.4	0.3	0.3	0.99	11	1.9
07	0.7	0.4	0.4	0.3	0.7	0.8	1.1	0.1	0.7	0.8	0.2	0.5	0.61	12	1.1
08	0.7	0.3	0.9	0.4	0.7	0.7		0.4	0.5	0.5	0.7	0.6	0.64	11	0.9
09	1.0	0.3	0.3	1.0	1.2	0.5	0.3	0.3	0.6	0.5	0.6	0.8	0.66	12	1.2
10	1.2	1.0	0.6	0.6	0.9	0.5	0.4	0.5	0.5	0.7	0.8	1.5	0.80	12	1.5
11	0.9	0.9	0.9	0.6	0.6	0.8	0.5	0.9	1.3	0.6	0.9	0.4	0.81	12	1.3
12	0.9	0.5	0.5	0.8	0.8	1.1	1.0	1.0	0.6	0.9	0.3	0.9	0.81	12	1.1
13	0.7	0.7	0.6	0.3	0.7	0.8	0.3	0.5	0.5	0.5	0.5	0.5	0.58	12	0.8
14	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4		0.0	0.2	0.4	0.30	11	0.4
15	0.6	0.2	1.3	1.4	0.9	0.5	0.4	0.6	1.2	0.7	0.5	0.5	0.76	12	1.4
16	0.5	0.5	0.6	0.6	0.8	1.0	0.7	0.7	1.6	2.7	0.9	0.7	0.96	12	2.7
17	0.5	0.7	0.2	0.3	1.0	0.6	0.6	0.6	1.2	0.6	0.5	0.5	0.65	12	1.2
18	0.6	0.9	0.1	0.7	0.5	0.5	0.5	0.7	0.8	0.9	0.4	0.7	0.64	12	0.9
19	0.8	1.2	0.7	1.3	1.2	0.9	1.0	1.1	1.2	0.5	0.9	0.4	0.98	12	1.3
20	0.7	0.2	0.2	0.1	0.9	0.4	0.5	0.2	0.1	0.2	0.6	0.5	0.42	12	0.9
21	0.4	0.1	1.1	0.7	0.4	0.4	0.4	0.3	0.4	0.5	0.7	0.4	0.53	12	1.1
22	0.5	0.7	0.4	1.0	0.7	0.9	0.2	0.8	1.3	0.3	0.1	0.7	0.68	12	1.3
23	0.3	0.1	0.3	0.4	0.5	0.4	0.5	0.7	0.4	0.2	0.7	0.1	0.42	12	0.7
24	0.2	0.0		0.2	0.8	0.5	0.3	0.3	0.7	0.8	0.6	0.6	0.49	11	0.8
25	0.4	0.5	0.3	0.9	0.5	0.6	0.3	0.7	0.5	0.5	0.5	0.4	0.56	12	0.9
26	0.5	0.7	1.1	1.2	0.9	0.6	0.3	0.3	1.3	0.4	0.6	0.7	0.75	12	1.3
27	1.2	0.7	0.8	0.1	0.2	0.2	0.3	0.6	0.5	0.8	0.3	0.7	0.58	12	1.2
28	0.2	0.5	0.2	0.9	1.0	0.4	0.1	0.6	0.2	0.5	1.4	0.9	0.61	12	1.4
29	0.7	0.6	0.3	0.9	1.1	0.6	0.5	0.4	0.3	0.5	0.7	0.7	0.65	12	1.1
30	0.5		0.5	0.7	0.5	0.7	0.5	0.5	0.1	0.7	1.1	0.6	0.61	11	1.1
AVG	0.66	0.55	0.60	0.71	0.77	0.63	0.52	0.58	0.76	0.65	0.62	0.63	.63		
N(3)	29	28	28	30	29	30	29	30	28	30	30	30		351	
MAX*	1.4	1.9	1.8	1.8	1.4	1.5	1.1	1.5	1.6	2.7	1.4	1.5	1.09		2.7

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-5

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	ST LOUIS MISSOURI AVG	MAY/68 N (1)	MAX (2)
01	0.5	0.1	0.2	0.5	0.4	0.5	0.4	0.7	0.1	0.3	1.1	0.4	0.48	12	1.1
02	0.4	0.6	0.5	1.4	0.8	0.8	0.7	0.9	0.5	0.9	1.1	0.5	0.80	12	1.4
03	0.1	0.1	0.5	0.2	0.8	0.4	0.3	0.6	0.3	0.8	0.3	0.4	0.45	12	0.8
04	0.6	0.7	0.3	0.9	0.8	0.4	0.7	0.5	0.8	0.0	0.4	0.1	0.55	12	0.9
05	0.5	0.2	0.2	0.3	0.4		0.3	0.1	0.3	0.3	0.8	1.4	0.48	11	1.4
06	1.0	0.8	0.9	1.0	1.1	0.5	1.0	1.0	0.7	1.2	1.0	0.8	0.96	12	1.2
07	0.7	0.4	0.7	0.6	0.9	1.2	0.7	1.0	0.8	0.8	0.3	0.7	0.77	12	1.2
08	0.4	0.5	0.4	0.6	0.5	0.6	0.6	0.3	0.9	0.4	0.3	0.0	0.49	12	0.9
09	0.5		0.5	0.3	0.2	0.2	0.6	0.3	0.3	0.3	0.5	0.7	0.46	11	0.7
10	0.1	0.3	0.5	0.5	0.5	0.4	1.2	0.8	0.3	0.3	0.3	0.4	0.50	12	1.2
11	0.2	0.2	0.4	0.3	0.2	0.2	0.5	0.3	0.5	0.5	0.3	0.8	0.40	12	0.8
12	0.5	0.4	0.7	0.7	0.6	0.6	0.2	0.2		0.8	0.2	0.5	0.55	11	0.8
13	0.7	0.4	0.9	1.1											
14															
15															
16															
17															
18															
19															
20								0.7	0.2	0.4	0.3	0.8			
21	0.3	0.5	0.6	1.0	0.2	0.2	0.4	0.1	0.3	0.2	0.6	1.1	0.50	12	1.1
22	1.0	1.4	1.0	1.1	0.9	1.0	0.4	1.0	0.5	0.7	0.2	1.1	0.90	12	1.4
23	0.6	0.5	0.5	1.8	0.9	0.0	0.9	1.1	0.1	0.6	0.2	0.3	0.68	12	1.8
24	0.4	0.4	0.6	0.7	0.2	0.5	1.0	0.6	0.8	1.0	0.4	0.5	0.62	12	1.0
25	0.2	0.7	0.7	0.5	0.4	0.0	0.2	0.9	0.7	0.6	0.4	0.5	0.53	12	0.9
26	0.4	0.5			0.3	0.0	0.6	0.0	0.4	0.2	0.1	0.1	0.30	10	0.6
27	0.3	0.3	0.8	0.0	0.6	0.5	0.8	0.6	0.8	0.3	0.7	0.9	0.58	12	0.9
28	0.5	0.5	0.5	0.2	0.6	0.5	0.0	0.4	0.3	0.4	0.5	0.1	0.41	12	0.6
29	0.1	0.2	0.4	0.3	0.7	0.4	0.7	0.1	0.4	0.2	0.2		0.38	11	0.7
30	0.2	0.4	0.5	0.2	0.7	0.2	0.4	0.8	0.7	0.6	0.4	0.6	0.51	12	0.8
31	0.6	0.4	0.6	0.5	0.6	0.9	0.3	0.4	0.5	0.1	0.4	0.4	0.51	12	0.9
AVG	0.43	0.45	0.54	0.61	0.57	0.45	0.56	0.55	0.50	0.50	0.46	0.55	.51		
N(3)	23	22	22	22	23	22	23	23	22	23	23	22		270	
MAX*	1.0	1.4	1.0	1.8	1.1	1.2	1.2	1.1	0.9	1.2	1.1	1.4	.96		1.8

(1) N=NUMBER OF VALID [illegible] SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-6

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — ST LOUIS MISSOURI — JUNE/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.2		0.6	0.8											
02															
03															
04									0.6	0.5	0.7	0.4			
05	1.0	0.8	0.9	1.2	0.5	0.6	0.7	0.6	0.7	0.7	0.3	0.9	0.80	12	1.2
06	0.3	0.4	0.5	0.7	0.3	0.3	0.8	0.6	0.6	0.8	1.0	0.6	0.61	12	1.0
07	0.5	0.5	0.4	1.2	0.3	0.8	0.9	0.4	0.8	0.2	0.7	0.6	0.63	12	1.2
08	0.7	0.8	0.6	1.4	0.2	0.6	0.3	0.4	0.2	0.6	0.9	0.3	0.62	12	1.4
09	0.7	0.5	0.1	0.0	0.5	0.4	0.8	1.0					0.55	08	1.0
10															
11								0.3	0.5	0.4	0.4	0.1			
12	0.3	0.3	0.2	0.4	0.6	0.2	0.1	2.2	0.2	0.1	0.4		0.50	11	2.2
13	0.3	0.4	0.2		0.4	0.4	0.2	0.3	0.1	0.5	0.6	0.5	0.40	11	0.6
14	0.5	0.6	0.0	0.4	0.1	0.6	0.3	0.5	0.6	0.3	0.5	0.8	0.46	12	0.8
15	0.5	0.6	0.2	0.2		0.1	0.5	0.0	0.4	0.4		0.2	0.35	10	0.6
16	0.0	0.1	0.5	0.0	0.2	0.1		0.2	0.1	0.2	0.0	0.1	0.18	11	0.5
17	0.4		0.4	0.3	0.1	0.3	0.2	0.3	1.2	0.3	0.2	0.9	0.47	11	1.2
18	0.3	0.4	0.7	0.7	0.2	0.1	0.2	0.6	0.6	0.6	0.3	0.4	0.46	12	0.7
19	0.1	0.1	0.3	0.2	0.6	0.5	0.1	0.3	3.1	0.6	0.2	0.4	0.59	12	3.1
20	0.9	0.3	0.1	1.0	0.7	0.9	0.6	0.9	0.2	0.3	0.6	0.6	0.64	12	1.0
21	0.4	0.2	0.4	0.4	0.4	0.5	0.1	0.4	0.2	0.4	0.3	0.5	0.43	12	0.6
22	0.4	0.1			0.2	0.2	0.6	0.2	0.2	0.2	0.8	0.6	0.40	10	0.8
23	0.5	0.1	0.4		0.1	0.3		0.2		0.3	0.0		0.27	08	0.5
24	0.4			0.3	0.1	0.4	0.2								
25															
26															
27															
28															
29															
30															
AVG	0.45	0.38	0.38		0.35	0.40		0.53		0.40			.45		
N(3)	17	16	16		16	17		17		16				188	
MAX*	1.0	0.8	0.9		0.7	0.9		2.2		0.8			.80		3.1

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-7

TABULATED 09/12/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — ST LOUIS MISSOURI — JULY/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14															
15								0.6	1.2	0.7	0.5	0.5			
16	0.3	0.6	0.8	1.0	1.0	0.3	0.4	0.9	1.2	0.9	0.4	0.6	0.74	12	1.2
17	0.3	0.7	0.4	0.8	0.4	0.3	0.6	0.9	0.5	0.7	0.2	0.3	0.53	12	0.9
18	0.4	0.2	0.2	0.8	0.3	0.3	0.2	0.4	0.0	0.0	0.3	0.7	0.36	12	0.8
19	0.5	0.5	0.2	0.7	0.5	0.6	0.4	0.4	0.4	0.1	0.7	0.8	0.51	12	0.8
20	0.9	0.5	0.6	0.4	0.4	0.4	0.6	0.5	0.3	0.5	0.6	0.6	0.56	12	0.9
21	0.9	0.8	0.6	0.7	0.7	0.4	0.3	0.6	0.1	0.5	0.2	0.5	0.57	12	0.9
22	1.0	0.4	0.6	1.2	0.6	0.3	0.5						0.70	07	1.2
23															
24															
25															
26															
27															
28															
29															
30															
31															
AVG															
N(3)														079	
MAX*													.74		1.2

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-8 TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — ST LOUIS MISSOURI — AUG/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21								0.6	0.4	0.7	0.5	0.7			
22	0.7	0.7	0.6	0.9	0.3	0.4	0.2	0.6	0.8	0.7	0.3	0.8	0.64	12	0.9
23	0.6	0.3	0.4	0.8	0.6	0.4	0.5	0.7	0.5	0.9	0.9	0.2	0.60	12	0.9
24	0.5	0.8	0.3	0.2	0.6	0.1	0.2	0.5	0.2	0.0	0.0	0.2	0.34	12	0.8
25	0.1	0.1		0.1	0.1	0.1	0.2		0.2	0.2	0.2		0.20	09	0.2
26	0.3	0.3	0.3	0.6	0.1	0.1	0.7	0.6	0.6	0.7	0.7	0.6	0.52	12	0.7
27	0.2	0.2	0.5	0.1	0.4	0.2	0.5	0.8	0.1	0.7	0.5	0.3	0.41	12	0.8
28	0.6	0.4	1.1	0.6	0.2	0.8	0.4	0.6	0.5	0.6	0.8	0.7	0.66	12	1.1
29	0.6	0.3	1.3	1.1	0.6	1.3	0.4	0.8	0.9	2.6	0.4	0.9	0.97	12	2.6
30	0.8	1.5	0.8	0.8	0.5	0.5	0.7	0.3	0.1	0.6	0.6		0.69	11	1.5
31	0.4	0.7	0.4	0.2	0.1	0.1	0.5	0.6	0.4	0.1	0.6		0.41	11	0.7
AVG															
N(3)														115	
MAX*													.97		2.6

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-9

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

ST LOUIS MISSOURI — SEPT/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.4	0.4	0.3		0.2	0.2	0.3		1.1	1.0	0.6	0.6	0.55	10	1.1
02	0.1	0.5	0.1	0.3	0.5	0.1	1.1	0.4	0.3	0.5	0.5	0.2	0.42	12	1.1
03	0.1	0.7	1.0	1.1	0.6	0.9	1.0	0.8	0.3	1.0	0.5		0.77	11	1.1
04	0.5	0.4	0.9	0.6	0.4	0.5	0.9	1.2	0.4	0.4	0.4		0.64	11	1.2
05	0.0	0.3		0.7	0.3	0.9	0.3	0.6	0.3	0.3	0.9	0.5	0.51	11	0.9
06	0.1	0.1	0.5	0.8	0.7	0.4	1.1	0.7	0.5	0.5	0.9	0.4	0.61	12	1.1
07	0.5	0.5	0.7	0.8	0.2	0.4	0.4	0.6	0.1	0.4	0.3	0.0	0.45	12	0.8
08	0.1	0.3	0.6	0.4	0.2	0.3	0.4	0.7	0.4	0.5	0.2	0.1	0.38	12	0.7
09	0.1	0.3	0.3	0.2	0.1	0.5	0.5	0.1	0.3		0.3	0.6	0.33	11	0.6
10	0.6	0.2	0.5	0.3	0.3	0.4	0.3	0.1	0.3	0.5	0.4	1.2	0.46	12	1.2
11	0.3	0.6	0.6	0.1	0.2		0.3	0.4	0.4	0.3	0.5	0.8	0.46	11	0.8
12	0.6	1.2	1.4	1.6	0.5	0.3	0.7	0.6	0.8	1.1	0.9	0.9	0.91	12	1.6
13	1.2	1.1	1.4	1.4	0.2	0.6	0.5	0.6	0.8	1.0	0.9	0.8	0.93	12	1.4
14	0.5	1.1	1.0	0.9	0.2	0.4	0.3	0.3	0.7	1.3	0.8	0.3	0.70	12	1.3
15	0.5	0.9	0.5	0.8	0.2	0.4	0.5	0.3	0.4	0.8	0.6	0.4	0.57	12	0.9
16	0.4	0.1	1.1	0.5	0.6	0.9	0.1	1.2	0.6	0.9	0.5	0.9	0.69	12	1.2
17	0.4	0.1	0.7	0.8	0.0	0.3	0.5	1.0	0.6	0.2	0.2	0.3	0.46	12	1.0
18	0.3	0.5	0.0	0.6	0.2	0.0	0.6	0.4	0.5	0.7	0.4	0.5	0.44	12	0.7
19		0.2	0.1	0.6	1.1	0.7	1.1	1.2	1.2	0.6	0.6	0.9	0.79	11	1.2
20	2.0	1.3	0.9	1.4	1.0	0.8	0.5	0.9	0.7	0.5	0.6	0.6	0.96	12	2.0
21	0.2	0.5	0.5	0.4	0.4	0.3	0.5	0.5	0.5	0.8	0.4	0.6	0.51	12	0.8
22	0.7	0.4	0.7	0.7	0.8	0.5	0.3	0.2	0.2	0.5	0.3	0.6	0.53	12	0.8
23	0.8	0.5	0.4	1.3	0.8	0.6	0.6	0.5	0.5	0.7	0.3	0.2	0.64	12	1.3
24	0.5	0.4		0.8	0.2		0.4	0.4	0.6	0.0	0.5	0.2	0.44	10	0.8
25	0.3		0.3	1.2	1.6	0.9	0.3	0.5	0.5	0.2	0.7	0.8	0.71	11	1.6
26	0.7	0.4	0.7	0.9	0.5	0.3	0.5	0.4	0.0	0.2	0.3	0.3	0.48	12	0.9
27	0.7	1.8	1.9	2.4	1.6	0.7	0.7	0.5	0.5	0.9	1.3	0.9	1.15	12	2.4
28	0.8	0.6	0.5	0.4	0.6	0.6		0.4	0.4	0.6	0.8	0.5	0.60	11	0.8
29	0.1	0.5	0.5	1.0	0.9	0.3	1.0	0.2	0.5	0.5	1.2	0.5	0.65	12	1.2
30	0.9	0.9	0.7	1.2	0.6	0.2	0.5	0.6	0.5	0.6	0.6	0.8	0.70	12	1.2
AVG	0.47	0.57	0.67	0.83	0.52	0.47	0.55	0.56	0.49	0.60	0.58	0.55	.57		
N(3)	29	29	28	29	30	28	29	29	30	29	30	28		348	
MAX*	2.0	1.8	1.9	2.4	1.6	0.9	1.1	1.2	1.2	1.3	1.3	1.2	1.15		2.4

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-10

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — ST LOUIS MISSOURI — OCT/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.6	0.4	0.6	0.9	0.7	0.6	0.8	0.6	0.8	0.4	0.3	0.6	0.65	12	0.9
02	0.7	0.3	0.4	1.1	0.7	0.5	0.6	1.0	0.5	0.4	0.5	0.2	0.61	12	1.1
03	0.3	0.1	0.0	1.0	0.5	0.5	2.1	0.8	0.3	0.4	0.6	0.5	0.63	12	2.1
04	0.3	0.5	0.7	1.1	0.8	0.2	0.4	0.4	0.6	0.4	0.9	1.5	0.69	12	1.5
05	1.4	1.0	1.0	1.1	0.9	0.3	0.4	0.7	0.5	0.9	0.4	0.4	0.78	12	1.4
06	0.1	0.1	0.3	0.2											
07															
08															
09															
10															
11								1.0	0.9	1.0	1.9	0.4			
12	0.5	0.8	1.1	0.9	0.2	0.5	0.7	0.3	0.4	0.8	1.0	1.0	0.71	12	1.1
13	0.3	1.2		0.5	0.7	0.5	0.4	0.1	0.4	0.6	0.3	0.9	0.59	11	1.2
14	0.6	0.5	0.4	0.9	1.1	0.5	0.9	0.7	1.1	0.8	0.6	0.4	0.75	12	1.1
15	0.5	0.4	0.8	1.1	0.6	0.7	0.6	1.0	0.6	1.4	0.7	0.8	0.81	12	1.4
16	0.5	0.3	0.4	0.7	0.5	1.1	0.8	1.3	0.7	1.3	0.5	0.5	0.75	12	1.3
17	0.9	0.1	0.4	0.5	0.3	0.6	0.5	0.6	0.1	0.5	0.6	1.6	0.59	12	1.6
18	0.5	1.0	0.3	1.8	0.3	0.4	0.6	0.4	0.5	0.7	1.3	0.7	0.75	12	1.8
19	0.5	0.5	0.6	1.3	0.2	0.5	0.3	0.1	0.5	1.4	2.1	2.1	0.89	12	2.1
20	1.0	0.6	1.2	0.7		0.1		0.4	0.4	1.0	1.8	2.8	1.05	10	2.8
21	1.0	1.3	1.3	1.7	1.3	0.5	0.5	0.9	1.0	0.4	0.7	0.6	0.97	12	1.7
22	0.5	0.3	0.2	0.3	0.4	0.6	0.4	1.1	0.5	0.7	0.4	0.4	0.54	12	1.1
23	0.5	0.7	1.2	1.3	0.9	0.7	0.9	0.9	1.1	0.3	0.8	1.0	0.90	12	1.3
24		0.5	0.7	0.3	0.5	0.5	1.1	0.7	0.2	0.4		0.6	0.58	10	1.1
25	0.4	0.2	1.7	1.0	0.5	0.5	0.5	0.4	1.0	1.0	2.0	1.1	0.89	12	2.0
26	0.8	0.6	1.1	1.1	0.1	0.2	0.2	0.6	0.7	1.0	0.7	0.5	0.67	12	1.1
27	0.6	0.8	0.2	0.4	0.5	1.1	1.6	0.9	0.5	0.4	0.3	0.3	0.66	12	1.6
28	0.1		0.3	0.4	1.0	0.7	0.0	0.2	0.5		0.3	0.6	0.44	10	1.0
29	0.8	0.3	0.9	0.9	0.7	0.5	0.5	1.0	2.0	1.2	0.6	1.0	0.91	12	2.0
30	0.4	1.0	1.0	1.1	1.0	1.4	0.7	1.1	1.9	0.8	1.1	1.2	1.10	12	1.9
31	1.2	1.5	1.9	1.4	1.6	1.2	0.8	1.2	1.4	0.7	0.7	0.8	1.24	12	1.9
AVG	0.62	0.62	0.76	0.94	0.66	0.59	0.67	0.69	0.72	0.74	0.80	0.88	.71		
N(3)	24	24	24	25	24	25	24	25	25	24	24	25		293	
MAX*	1.4	1.5	1.9	1.8	1.6	1.4	2.1	1.3	2.0	1.4	2.1	2.8	1.24		2.8

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-11

TABULATED 09/19/68

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — ST LOUIS MISSOURI — NOV/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.7	0.4	0.5	0.7	0.7	1.0	0.7	0.6	0.6	0.6	0.7	1.1	0.73	12	1.1
02	0.9	0.8	0.8	0.7	1.3	0.8	0.3	0.8	0.6	0.4	0.3	0.4	0.72	12	1.3
03	0.6	0.4		0.4	0.5	0.4	0.6	0.3	0.2	0.6	0.4	0.5	0.49	11	0.6
04	0.4	0.6	0.4	0.6	1.0	1.2	0.6	0.5	1.2	1.5	3.0	3.0	1.22	12	3.0
05	2.2	1.5	2.6	3.1	2.4	1.8	2.1	1.4	2.0	1.4	1.8	1.6	2.04	12	3.1
06	1.2	0.9	0.9	1.5	0.6	1.0	1.1	0.4	1.0	0.7	0.2	0.5	0.89	12	1.5
07	0.2	0.1	0.1	0.4	0.8	0.6	0.5	0.5	1.2	0.5	0.4	0.4	0.54	12	1.2
08	0.4	0.0	0.1	1.0	0.6	0.4	0.4	0.6	0.6	0.4	0.0	0.1	0.43	12	1.0
09	0.4	0.3	0.3	0.5	0.8	0.5	0.6	0.4	0.6	0.3	0.4	1.8	0.62	12	1.8
10	2.0	1.7	1.1	2.3	2.0	0.3	0.6	0.3	1.3	1.1	0.9	0.6	1.22	12	2.3
11	0.6	0.3	0.4	0.3	0.6	0.8	0.9	1.0	0.7	0.4	0.5	0.3	0.59	12	1.0
12	0.3	0.4	0.2	0.7	0.9	0.6	0.5	0.5	1.0	0.7	3.4	3.4	1.10	12	3.4
13	1.1	1.0	0.4	1.1	0.9	0.9	1.0	0.8	1.1	0.5	0.4	0.9	0.88	12	1.1
14	1.0	0.6	0.7	1.2	1.0	1.0	1.2	1.4	1.6	0.7	0.8	0.6	1.01	12	1.6
15	0.4	0.2	0.4	1.0	0.8	0.9	0.7	0.9	1.3	0.9	0.6	0.5	0.76	12	1.3
16	0.5	0.4	0.7	0.5	0.4	0.7	0.6	0.1	0.5	0.3	0.5	0.2	0.50	12	0.7
17	0.2	0.2	0.5	0.9	0.5	0.7	0.5	0.5	0.8	0.6	0.5	0.6	0.58	12	0.9
18	0.3	0.2	0.2	0.7	0.9	0.8	0.4	0.2	0.7	0.1	0.4	0.3	0.48	12	0.9
19			0.2	0.6	0.3	0.3	0.2	0.4	0.5	0.6	0.4	0.3	0.43	10	0.6
20	0.3	0.5	0.5	0.8	0.6	0.3	0.4	0.7	0.8	1.0	1.6	0.7	0.71	12	1.6
21	0.9	0.6	1.0	1.4	1.4	0.7	0.8	0.5	0.8	0.6	0.8	0.5	0.89	12	1.4
22	0.6	1.2	1.9	3.0	2.7	0.9	0.9	0.7	1.3	1.1	0.8	1.1	1.41	12	3.0
23	0.9	0.3	0.7	0.5	0.6	0.4	0.5	0.1	0.5	0.7	0.6	0.7	0.58	12	0.9
24	0.2	0.1	0.4	0.6	0.5	0.5	0.2	0.1	0.5	1.5	0.6	0.2	0.49	12	1.5
25	0.2	0.8	0.6	1.9	3.2	1.6	0.8	1.2	1.9	0.9	0.6	0.5	1.22	12	3.2
26	1.0	0.3	0.3	0.9	1.3	1.2	0.8	0.8	0.7	0.7	0.5	0.3	0.77	12	1.3
27	0.7	0.6	0.4	0.8	0.5	0.8	0.6	0.8	1.4	0.7	0.6	0.5	0.74	12	1.4
28	0.8	0.5	0.5	1.0	0.1	0.3		0.6	0.5	0.3	0.2	0.5	0.51	11	1.0
29	0.3	0.3	0.5	0.6	0.8	0.8	0.2	0.7	0.7	0.8	1.4	1.8	0.78	12	1.8
30	1.2	1.0	1.9	3.2	4.0	1.4	0.8	0.9	1.1	1.2	1.1	0.9	1.60	12	4.0
AVG	0.70	0.55	0.66	1.09	1.09	0.78	0.67	0.62	0.92	0.72	0.81	0.82	.78		
N(3)	29	29	29	30	30	30	29	30	30	30	30	30		356	
MAX*	2.2	1.7	2.6	3.2	4.0	1.8	2.1	1.4	2.0	1.5	3.4	3.4	2.04		4.0

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-12

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	ST LOUIS MISSOURI AVG	DEC/68 N (1)	MAX (2)
01	0.4	0.6	0.2	0.2	0.9	0.7	0.5	0.6	0.7	0.4	0.9	0.7	0.61	12	0.9
02	0.8	0.5	0.8	1.0	1.0	0.8	0.9	0.9	1.1	1.1	1.0	0.9	0.94	12	1.1
03	1.4	0.9	0.5	1.1	1.1	0.9	0.7	0.6	0.7	0.8	0.1	0.4	0.81	12	1.4
04	0.5	0.3	0.5	0.6	1.1	1.1	0.9	1.3	1.1	0.6	4.5	1.4	1.20	12	4.5
05	1.4	1.8	0.8	1.0	1.5	1.4	2.6	0.8	1.0	0.8	0.7	0.5	1.23	12	2.6
06	0.5	0.6	0.9	3.4	2.3	1.0	1.4	2.3	1.3	2.2	2.6	2.0	1.76	12	3.4
07	1.4	2.2	1.0	0.6	0.5	0.7	0.3	0.5	0.7	0.7	0.4	0.6	0.84	12	2.2
08	0.4	0.5	0.6	0.9	0.4	0.6	0.8	0.6	1.0	2.0	1.8	2.1	1.01	12	2.1
09	0.7	0.6	0.8	1.0	1.5	0.7	0.8	1.7	2.1	0.6	0.8	0.4	1.01	12	2.1
10	0.7	0.4	0.8	1.4	1.5	1.4	1.0	0.9	2.1	2.7	1.4	1.0	1.33	12	2.7
11	1.0	0.7	1.3	1.3	1.4	1.1	1.2	0.9	1.6	0.8	0.5	0.7	1.07	12	1.6
12	0.3	0.6	0.6	1.1	0.8	0.9	0.5	2.9	1.3	0.8	0.3	0.3	0.90	12	2.9
13	0.2	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.3	0.2	0.7	0.41	12	0.7
14	0.0	0.4	0.5	0.8	0.7	0.6	0.2	0.7	0.8	0.7	0.5	0.9	0.59	12	0.9
15	0.6	0.4	0.6	1.0	0.9	0.9	0.7	0.5	0.3	0.4	0.6	0.9	0.69	12	1.0
16	1.8	1.5	2.0	2.2	1.8	0.3	0.8	0.9	2.6	1.2	1.3	1.6	1.55	12	2.6
17	1.1	0.9	0.6	1.2	1.0	1.4	1.1	1.0	2.0	0.7	0.7	1.0	1.10	12	2.0
18	0.8	1.3	1.3	1.9	1.8	1.7	1.1	1.0	1.5	0.7	1.4	0.3	1.27	12	1.9
19	0.6	0.3	0.6	0.8	0.7	0.4	0.3	0.5	0.8	0.8	0.6	0.2	0.58	12	0.8
20	0.4	0.2	0.7	0.9	0.9	0.8	0.9	0.5	1.5	1.4	1.1	1.8	0.97	12	1.8
21	1.4	0.9	1.2	1.3	1.3	1.3	0.9	1.0	0.9	0.7	1.1	1.1	1.12	12	1.4
22	1.0	0.7	0.4	0.6	0.2	0.5	0.0	0.6	0.3		0.2	0.0	0.45	11	1.0
23		0.5	0.0	0.1	0.7	0.8	0.0	0.7	0.5	0.5	0.3	0.2	0.44	11	0.8
24	0.3	0.3	0.2	1.2	0.8	0.4	0.5	0.5	0.8	0.6	0.4		0.59	11	1.2
25	0.6	0.3	0.4	0.5	0.4	0.2	0.7	0.4	1.1	0.6	1.1	0.9	0.65	12	1.1
26	1.2	0.4	0.7	1.6	1.4	1.1	1.0	1.3	1.4	1.2	0.5	0.7	1.08	12	1.6
27	0.6	0.4	0.6	0.7	1.0	1.1	1.0	0.8	2.0	1.2	1.1	1.0	0.99	12	2.0
28	0.4	0.1		0.7	0.4	0.6	0.3	0.6	0.2	0.4	0.4	0.3	0.44	11	0.7
29	0.3	0.5	0.2	0.2		0.2	0.6	0.4	1.1	1.2	1.3	0.5	0.62	11	1.3
30	1.3	0.7	1.0	1.4	2.3	1.2	1.5	2.1	1.1	0.4		0.7	1.28	11	2.3
31	0.5	0.3		0.8	1.0	0.1	0.6	0.9	0.7	0.7	0.2	0.6	0.62	11	1.0
AVG	0.75	0.65	0.69	1.02	1.05	0.81	0.78	0.93	1.11	0.90	0.93	0.81	.86		
N(3)	30	31	29	31	30	31	31	31	31	30	30	30		365	
MAX*	1.8	2.2	2.0	3.4	2.3	1.7	2.6	2.9	2.6	2.7	4.5	2.1	1.76		4.5

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE